DEPARTMENT OF THE NAVY FY 1999 AMENDED BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES FEBRUARY 1998

OTHER PROCUREMENT, NAVY BUDGET ACTIVITY 3

UNCLASSIFIED

Department of the Navy

Exhibit P-1

FY 1999 Procurement Program

APPROPRIATION: 1810N Other Procurement, Navy DATE: 01/23/98 TOA, \$ IN MILLIONS (DOLLARS) -----S LINE NO ITEM NOMENCLATURE ____ BUDGET ACTIVITY 03: Aviation Support Equipment Sonobuoys 120 4005 AN/SSQ-36 (BT) . 9 1.7 1.4 U Α 121 4025 AN/SSQ-53 (DIFAR) 22.7 46.8 37.3 U 122 4030 AN/SSQ-57 (Special Purpose) . 5 2.4 U 123 4032 AN/SSQ-62 (DICASS) 30.6 30.9 20.7 U Α 124 4036 AN/SSO-101 (ADAR) В 16.6 U 125 4038 AN/SSO-110 1.9 – U Α 126 4045 Signal, Underwater Sound (SUS) Α 1.1 1.3 U Aircraft Support Equipment 127 4204 Weapons Range Support Equipment Α 31.1 10.5 8.1 U 128 4208 Expeditionary Airfields 1.5 1.2 5.0 U Α 129 4214 Aircraft Rearming Equipment 9.1 10.1 12.9 U 130 4216 Aircraft Launch & Recovery Equipment 28.3 29.0 39.7 U 131 4218 PREDATOR UAV (DARP) 7.8 - U Α 132 4220 PIONEER UAV (DARP) 25.0 - U Α 133 4226 Meteorological Equipment 32.9 U 16.3 17.4 Α 134 4242 Other Photographic Equipment Α . 7 . 8 .6 U 135 4244 Aviation Life Support Α 8.8 12.3 22.3 U 136 4248 Airborne Mine Countermeasures 13.1 19.5 39.4 U Α 137 4255 LAMPS MK III Shipboard Equipment – U . 3 138 4256 REWSON Photographic Equipment . 7 . 7 .9 U

UNCLASSIFIED

Department of the Navy

Exhibit P-1

FY 1999 Procurement Program

APPROPRIATION: 1810N Other Procurement, Navy					DATE: 01/23/98
		(DOLLARS)	TOA, \$ IN		S
LINE NO ITEM NOMENCLATURE	IDENT CODE	FY 1999 UNIT COST	FY 1997 QUANTITY COST		FY 1999 E QUANTITY COST C
139 4259 Stock Surveillance Equipment	А		1.6	1.5	- U
140 4265 Other Aviation Support Equipment	A		8.9	6.0	4.3 U
TOTAL Aviation Support Equipment			210.8	188.7	245.7

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Department of the Navy

Exhibit P-1R

FY 1999 Procurement Program - Reserve Component

APPROPRIATION: 1810N Other Procurement, Navy DATE: 01/23/98 TOA, \$ IN MILLIONS (DOLLARS) -----S IDENT FY 1999 ----FY 1997---- FY 1998---- FY 1999---- E
CODE UNIT COST QUANTITY COST QUANTITY COST C LINE NO ITEM NOMENCLATURE BUDGET ACTIVITY 03: Aviation Support Equipment Sonobuoys 2 4005 AN/SSQ-36 (BT)(RESERVE) Α .1 U 3 4025 AN/SSQ-53 (DIFAR)(RESERVE) Α 2.5 1.8 U 4 4032 AN/SSQ-62 (DICASS)(RESERVE) .9 .7 1.0 U 5 4045 Signal, Underwater Sound (SUS)(RESERVE) .2 U 3.2 TOTAL Aviation Support Equipment 1.0 3.1

^{*} ITEMS UNDER \$50,000

Other Procurement, Navy Program and Financing (in Thousands of dollars)

	actions	s programed)		Obligations				
Identification code 17-1810-0-1-051	1997 actual	1998 est.	1999 est.	1997 actual	1998 est.	1999 est.		
Program by activities:								
Direct program:	005 151	E01 011	060 084	E06 00E	665 000	050 505		
00.0101 Ships support equipment 00.0201 Communications and electronics equipment	805,171	721,811		726,987	1 100 600			
00.0201 Communications and electronics equipment 00.0301 Aviation support equipment	1,009,472	1,165,616 188,669	245,663	1,112,627 241,254 430,909 46,043	1,100,628	1,522,885		
00.0401 Ordnance support equipment	460 996	100,009 517 000	45,003 674 702	420 000	100,320	502 025		
00.0501 Civil engineering support equipment	400,000 38 865	46 404	69 902	450,909	472,034 30 970	593,625 60 686		
00.0601 Supply support equipment	50,005 67 170	51 902	109,902	94 220	54 112	00,000		
00.0701 Personnel and command support equipment	48 732	79 788	65 660	110 527	67 150	61 813		
00.0301 Aviation support equipment 00.0401 Ordnance support equipment 00.0501 Civil engineering support equipment 00.0601 Supply support equipment 00.0701 Personnel and command support equipment 00.0801 Spares and repair parts	196,921	215,975	279,028	188,178	184,644	249,408		
00.9101 Total direct program	2,837,973	2,988,074	3,937,737	2,940,854	2,751,446	3,654,149		
01.0101 Reimbursable program	53,283	42,000	42,000	50,987	45,439	42,000		
10.0001 Total	2,891,256	3,030,074	3,979,737	2,991,841	2,796,885	3,696,149		
Financing:								
Offsetting collections from:								
11 0001	-1.014	-42.000	-42.000	3,472	-42.000	-42,000		
11.0001 Federal Funds(-) 14.0001 Non-Federal sources(-)	-52,269	,	,	-51,869	,	,		
17.0001 Recovery of prior year obligations	,			-56,565				
Unobligated balance available, start of year:								
21.4002 For completion of prior year budget plans				-496,308	-430,674	-663,863		
21.4003 Available to finance new budget plans	-17,237	-16,677		-17,237	-16,677			
21.4009 Reprograming from/to prior year budget plan	-16,727							
22.1001 Unobligated balance transferred to other acco	4,200	11,177		4,200	11,177			
Unobligated balance available, end of year:								
24.4002 For completion of prior year budget plans 24.4003 Available to finance subsequent year budget	16 688				663,863	947,451		
24.4003 Available to finance subsequent year budget	16,677			16,677				
25.0001 Unobligated balance expiring	9,227			9,227				
	2.834.113					3,937,737		
40.0001 Appropriation	3,036,268	3,144,205	3,937,737	3,036,268	3,144,205	3,937,737		
Budget authority: 40.0001 Appropriation 40.3601 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035	-,,	-5,500	-,,	-,,	-5,500	.,		
40.7601 Reduction pursuant to P.L. 105-56 (-), 8035		-56,735			-56,735			
40.3601 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 41.0001 Transferred to other accounts (-)	-218,321	-99,396		-218,321	-99,396			
42.0001 Transferred from other accounts	-218,321 16,166			16,166				
43.0001 Appropriation (adjusted)	2,834,113	2,982,574		2,834,113		3,937,737		

Other Procurement, Navy Program and Financing (in Thousands of dollars)

		Budget Plan (actions	amounts for I programed)	Obligations				
Identification code	17-1810-0-1-051	1997 actual	1998 est.	1999 est.	1997 actual	1998 est.	1999 est.	
71.0001 Obligations : 72.1001 Orders on har 72.4001 Obligated bal 74.1001 Orders on har 74.4001 Obligated bal 77.0001 Adjustments :	nd, SOY lance, start of year				2,943,444 -86,326 3,793,123 89,947 -3,407,474 -222,581 -56,565	2,754,885 -89,947 3,407,474 89,947 -3,129,392	3,654,149 -89,947 3,129,392 89,947 -3,542,101	
90.0001 Outlays	(net)				3,053,568	3,032,967	3,241,440	

Other Procurement, Navy Object Classification (in Thousands of dollars)

Identification code 17-1810-0-1-051	1997 actual	1998 est.	1999 est.
Direct obligations:			
122.001 Transportation of things	7,310	3,930	5,043
125.101 Advisory and assistance services	30,999	24,754	27,781
Purchases goods/services (inter/intra) Fed accounts	661 420	000 706	1 460 053
125.303 Purchases from revolving funds 126.001 Supplies and materials	661,438 403,528	989,796 445,181	1,469,053 659,263
131.001 Equipment	1,837,579	1,287,785	1,493,009
199.001 Total Direct obligations	2,940,854	2,751,446	3,654,149
Reimbursable obligations:			
231.001 Equipment	50,987	45,439	42,000
299.001 Total Reimbursable obligations	50,987	45,439	42,000
999.901 Total obligations	2,991,841	2,796,885	3,696,149

Comparison of FY 1998 Financing as reflected in FY 1998 Budget with 1998 Financing as Shown in the FY 1999 Budget

(\$ In Thousands)

	Financing Per	Financing Per	Increase (+) or
	FY 1998 Budget	FY 1999 Budget	Decrease (-)
Program Requirements (Total)	\$2,867,500	\$3,030,074	+\$162,574
Program Requirements (Service Account)	(\$2,825,500)	(\$2,988,074)	(+162,574)
Program Requirements (Reimbursable)	(\$42,000)	(\$42,000)	0
Appropriation (Adjusted)	\$2,825,500	\$2,982,574	+\$157,074

Explanation of Changes in Financing

The Fiscal Year 1998 program has changed since the presentation of the FY 1998 budget as noted below:

1. <u>Program Requirements</u>. There has been a net increase to the appropriation (adjusted) of +\$157,074. This net change is comprised of an increase in program requirements (+\$162,574), less rescissions of (-\$5,500).

Comparison of FY 1998 program requirements as reflected in the FY 1998 Budget with FY 1998 program requirements as shown in the FY 1999 Budget

Summary of Requirements (\$ in Thousands)

	Total Program	Total Program	
	Requirements per	Requirements per	Increase (+) or
	FY 1998 Budget	FY 1999 Budget	Decrease (-)
Ships Support Equipment	\$771,120	\$721,811	-\$49,309
Communications and Electronic Equip	925,763	1,165,616	+239,853
Aviation Support Equipment	169,250	188,669	+19,419
Ordnance Support Equipment	539,662	517,909	-21,753
Civil Engineering Support Equip	53,610	46,404	-7,206
Supply Support Equipment	56,528	51,902	-4,626
Personnel and Command Support Equip	60,850	79,788	+18,938
Spares and Repair Parts	248,717	215,975	-32,742
Total Fiscal Year Program	\$2,825,500	\$2,988,074	+\$162,574

Explanation by Budget Activity (\$ in Thousands)

- 1. <u>Ships Support Equipment (-\$49,309)</u> Changes reflect FY 1997 Congressional reductions (-\$54,066), Congressional increases (+\$30,500), reductions for equipment installation on decommissioned ships (-\$6,334), and Department of the Navy (DoN) offsets for higher priority programs (-\$19,409).
- 2. <u>Communications and Electronics Equipment (+\$239,853)</u> Changes reflect FY 1997 Congressional reductions (-\$43,141), Congressional increases(+\$297,500), and DoN offsets for higher priority programs (-\$14,506).

Comparison of FY 1998 program requirements as reflected in the FY 1998 Budget with FY 1998 program requirements as shown in the FY 1999 Budget

Explanation by Budget Activity (Continued) (\$ in Thousands)

- 3. <u>Aviation Support Equipment (+\$19,419)</u> Changes reflect FY 1997 Congressional reductions (-\$8,871), Congressional increases(+\$40,350), and DoN offsets for higher priority programs (-\$12,060).
- 4. <u>Ordnance Support Equipment (-\$21,753)</u> Changes reflect FY 1997 Congressional reductions (-\$24,463), Congressional increases(+\$31,000), and DoN offsets for higher priority programs (-\$28,290).
- 5. <u>Civil Engineering Support Equipment (-\$7,206)</u> Changes reflect FY 1997 Congressional reductions (-\$4,833), Congressional increases(+\$4,500), a below threshold reprogramming (BTR) action (-\$4,100), and DoN offsets for higher priority programs (-\$2,773).
- 6. <u>Supply Support Equipment (-\$4,626)</u> Changes reflect FY 1997 Congressional reductions (-\$1,301), minor BTR (-\$1,763), and DoN offsets for higher priority programs (-\$1,562).
- 7. <u>Personnel and Command Support (+\$18,938)</u> Changes reflect Congressional reductions (-\$1,914), Congressional increases of (+\$21,500), and DoN offsets for higher priority programs (-\$648).
- 8. <u>Spare and Repair Parts (-\$32,742)</u> Changes reflect FY 1997 Congressional reductions (-\$24,791) and DoN offsets for higher priority programs (-\$7,951).

Comparison of FY 1997 Financing as reflected in FY 1998 Budget with 1997 Financing as Shown in the FY 1999 Budget

(\$ In Thousands)

	Financing Per	Financing Per	Increase (+) or
	FY 1998 Budget	FY 1999 Budget	Decrease (-)
Program Requirements (Total)	\$2,934,355	\$2,891,256	-\$43,099
Program Requirements (Service Account)	(\$2,892,355)	(\$2,837,973)	(-54,382)
Program Requirements (Reimbursable)	(\$42,000)	(\$53,283)	(+11,283)
Appropriation (Adjusted)	\$2,882,355	\$2,834,113	-\$48,242

Explanation of Changes in Financing

The Fiscal Year 1997 program has changed since the presentation of the FY 1998 budget as noted below:

1. <u>Program Requirements</u>. There has been a net decrease to the appropriation (adjusted) of (-\$48,242). This net change is comprised of an decrease in program requirements (-\$54,382) partially offset by an increase in reimbursable authority of (+\$11,283).

Comparison of FY 1997 program requirements as reflected in the FY 1998 Budget with FY 1997 program requirements as shown in the FY 1999 Budget

Summary of Requirements (\$ in Thousands)

	Total Program Requirements per FY 1998 Budget	Total Program Requirements per FY 1999 Budget	Increase (+) or Decrease (-)
Ships Support Equipment	\$815,611	\$805,171	-\$10,440
Communications and Electronic Equip	1,044,672	1,009,472	-35,200
Aviation Support Equipment	249,793	210,756	-39,037
Ordnance Support Equipment	468,410	460,886	-7,524
Civil Engineering Support Equip	43,943	38,865	-5,078
Supply Support Equipment	67,709	67,170	-539
Personnel and Command Support Equip	0	48,732	+48,732
Spares and Repair Parts	202,217	196,921	-5,296
Total Fiscal Year Program	\$2,892,355	\$2,837,973	-\$54,382

Explanation by Budget Activity

(\$ In Thousands)

^{1. &}lt;u>SHIP SUPPORT EQUIPMENT (-\$10,440)</u> - Net decrease reflecting (-\$1,061) offset for MPN prior approval reprogramming action, FY 1997 Supplemental Appropriation adjustment for revised economic assumptions (-\$2,556), and below threshold reprogramming (BTR) actions (-\$6,823) including (-\$3,338) to finance unfunded Investment/expense items in Budget Activity (BA) Seven, Personnel and Command Support.

Explanation by Budget Activity (Continued)

(\$ In Thousands)

- 2. <u>COMMUNICATIONS & ELECTRONIC EQUIPMENT (-\$35,200)</u> Net decrease reflecting (-\$9,732) offset for MPN prior approval reprogramming action, FY 1997 Supplemental Appropriation adjustment for revised economic assumptions (-\$2,555), increase of (+\$1,166) for Counter Drug Interdiction, Congressional rescission of SHINCOM (-\$2,200), transfer of NSIPS (-\$24,477) to BA-7, Personnel and Command Support, transfer for AEGIS, TBMD, CEC (-\$6,202), and net BTR actions of (+\$8,800).
- 3. <u>AVIATION SUPPORT EQUIPMENT (-\$39,037)</u> Net decrease reflecting (-\$1,424) offset for MPN prior approval reprogramming action, FY 1997 Supplemental Appropriation adjustment for revised economic assumptions (-\$590), Omnibus Reprogramming Action offsets (-\$29,239), transfer for AEGIS, TBMD, CEC (-\$3,700), and net BTR reductions of (-\$4,084).
- 4. <u>ORDNANCE SUPPORT EQUIPMENT (-\$7,524)</u> Net decrease reflecting (-\$4,389) offset for MPN prior approval reprogramming action, FY 1997 Supplemental Appropriation adjustment for revised economic assumptions (-\$1,370), and net BTR reductions of (-\$1,765).
- 5. <u>CIVIL ENGINEERING SUPPORT (-\$5,078)</u> Net decrease reflecting (-\$4,000) offset for MPN prior approval reprogramming action, FY 1997 Supplemental Appropriation adjustment for revised economic assumptions (-\$950), and minor BTR reductions of (-\$128).
- 6. <u>SUPPLY SUPPORT EQUIPMENT (-\$539)</u> Net decrease reflecting (-\$500) offset for MPN prior approval reprogramming action, FY 1997 Supplemental Appropriation adjustment for revised economic assumptions (-\$204), and minor BTR increases of (+\$165).
- 7. <u>PERSONNEL & COMMAND SUPPORT (+\$48,732)</u> Increase reflecting transfer of NSIPS (+\$24,477) from BA-2, Communications and Electronic Equipment, and funding increases for Investment/Expense items (+\$24,255).
- 8. <u>SPARES & REPAIR PARTS (-\$5,296)</u> Net decrease reflecting (-\$1,083) offset for MPN prior approval reprogramming action, FY 1997 Supplemental Appropriation adjustment for revised economic assumptions (-\$614), transfer for AEGIS, TBMD, CEC (-\$1,275), and net BTR reductions of (-\$2,324).

UNCLASSIFIED

		BU	DGET ITEN	I JUSTIFICA	TION SHEE	T			DATE:			
	Р	-40								FEBRUAR	Y 1998	
APPROPRIATION/E	BUDGET ACTIVI	TY					P-1 ITEM NOMENCLATURE AN/SSQ-36 (BT) SONOBUOY					
OTHER PROCU	REMENT, NA	VY						PEC	(A) PROGR	AM NARM	l#400500	
Program Element for Code B Items:					Other Related Program Elements							
	Prior Years*	ID Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY												
COST (In Millions)	\$70.3		\$0.2	\$0.9	\$1.7	\$1.4	\$1.4	\$1.3	\$1.3	\$1.4	CONTINUING	

The AN/SSQ-36 is an air-dropped bathythermograph transmitting set that is used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to ASW aircraft to assist in the selection of hydrophone depths and tactics for localizing and tracking submarines. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean.

The FY 96 contract was awarded to Sparton for a quantity of 669 AN/SSQ-36B's.

The FY 97 contracts were awarded to Hermes (2,339) and Sparton (1,000) for a total quantity of 3,339 AN/SSQ-36B's.

The FY 98 program provides for 6,128 AN/SSQ-36B's to be competed among qualified manufacturers.

The FY 99 program provides for 4,556 AN/SSQ-36B's to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
3	27	41	55	53	53	35	36

P-1 SHOPPING LIST

ITEM NO. 120

PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED CLASSIFICATION:

	WEAPONS SYSTEM CO	OST AN	ALYSIS			Weapon Sy	stem							DATE:	
	P-5						(BT) SONO							FEBRU	ARY 1998
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	DMENCLATU	JRE/SUBHEA	.D					
	Procurement, Navy														
B.A. 3 ·	- AVIATION SUPPORT EQUIPMENT		1				PEO(A) PI	ROGRAM	NARM #40	00500 SUI	BHEAD L	J3QG			
			TOTAL COST	T IN THOUS	SANDS OF I	DOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1996			FY 1997			FY 1998			FY 1999	
OODL		Codo	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QG001	AN/SSQ-36 w/SLC*	А	\$59,840	669	\$255.26	\$171	3,339	\$221.72	** \$803	6,128	\$244.82	\$1,500	4,556	\$265.34	\$1,209
QG830	PRODUCTION ENGINEERING		\$4,010			12			45			100			73
QG860	ACCEPTANCE TESTING		\$6,454			11			46			112			78
	* SONOBUOY LAUNCH CONTAINER ** In addition to hardware, total costs including qualification costs and data packages.	 ude \$63	BK for other i	tems sepai	ately price	d such as pr	oduction line	verification	ns, some des	sign and/or	production	readiness re	eviews,		
DD FOP	M 2446, JUN 86	D_1 QU	\$70,304 OPPING LIST			\$194			\$894			\$1,712 CLASSIFICA			\$1,36

PAGE NO.

120

ITEM NO.

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCURE	EMENT HIST	ORY AND I	PLANNING EXHIBIT	Γ (P-5A)		Weapon System AN/SSQ-36 (BT)		A. DATE	FEBRUARY 19	98
B. APPROPRIATION/BUDG Other Procurement					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
Other Procurement	, itavy				PEO(A) PRO		U3QG			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACT METHOD CONTRACTOR AWARD		DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY96										
AN/SSQ-36 w/SLC	669	\$255.26	NSWC CRANE	10/95	C/FFP	SPARTON, FL	5/96	5/97	YES	
FY97 *										
AN/SSQ-36 w/SLC	2,339 1,000	\$207.38 \$255.26	NSWC CRANE NSWC CRANE	10/96 10/96	C/FFP C/FFP	HERMES, CAN SPARTON, FL	1/97 1/97	2/98 2/98	YES YES	
FY98										
AN/SSQ-36 w/SLC	6,128	\$244.82	NSWC CRANE	10/97	C/FFP	ТВА	1/98	10/98	YES	
FY99										
AN/SSQ-36 w/SLC	4,556	\$265.34	NSWC CRANE	10/98	C/FFP	NOT SELECTED	12/98	10/99	YES	

D. REMARKS

The P-5A exhibit depicts only hardware quantities and unit costs.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 120 PAGE NO. 3

^{*} Sonobuoy contracts contain other items separately priced. In addition to hardware, total costs include \$63K for other items such as production line verifications, some design and/or production readiness reviews, qualification costs, and data packages.

	9 BUDGET PRODUCTION SCHEDULE, P-21																	DATE			F	EBRI	UAR	Y 19	98					
APPROPRIATION/BUDGET ACT OTHER PROCUREMENT,												AN/S		eapor 36 (B	Syst T)	tem		P-1			MEN (A) F					N	ARI	VI #4	005	00
·							Pr	oduct	ion Ra	ate					Pro	ocure	men	t Lea			· ·									
		Mar	nufactu	ırer's								Al	_T Pr	rior	Al	LT Af	ter		Initia	I	R	eord	er					Un	it of	
Item	1 1	Name	and L	ocatio	n	MS	SR	1-8	8-5	M	٩X	to	Oct	1		Oct 1	1	M	lfg Pl	_T		fg Pl			Tota	ıl		Mea	asure) }
AN/SSQ-36B			CANA			0.25		12.0		12.0																	K			
AN/SSQ-36B		RTON				0.25		12.0		12.0*						3			9						12		K			
A14/00Q-30D	OI AI	VI OIV	, ' L			0.20		12.0		12.0									3						12					
		ı	1	I	ı —			FI	SCAL Y	EAR 199	97											FIS	CALY	ÆAR	1998		<u> </u>	—		
ITEM / MANUFACTURER	F	s	Q	D	В	19	96	1 10				ALEND/	AR YE	AR 100	7				1997		T	0				EAR 19	agg			1 '
TIEM, WAREING TORER	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J	J U L	A U G	S E P	B A L
QG001 AN/SSQ-36B - HERMES	0.4		F 1	0.0	<i>E</i> 1	-	V		IN	В	K		<u>'</u>		2.7	G	F	L'	V	C	IN	Б	K	K	1	IN	┝	- 6	<u> </u>	0.0
QG001 AN/SSQ-36B - HERMES QG001 AN/SSQ-36B - SPARTON	94		5.1 1.3	0.0	5.1			-			0.2	0.2	0.2	2.4	0.2		-						-		-	-		-		0.0
QG001 AN/SSQ-36B - SPARTON QG001 AN/SSQ-36B - HERMES	95		9.5	0.0	1.3 9.5				0.5	0.5	0.3	0.3	0.3	0.2 1.5	1.5	1.5	1.1	1.2								-				0.0
QG001 AN/SSQ-36B - HERMES	95		1.8	0.0	1.8				0.5	0.5	0.7	0.3	0.7	0.3	0.3	0.3	1.1	1.2									-	-		0.0
QG001 AN/SSQ-36B - FERMES QG001 AN/SSQ-36B - SPARTON	96		0.7	0.0	0.7						0.3	0.3	0.3	0.3	0.3	0.3	0.1											-		0.0
QG001 AN/SSQ-36B - HERMES	97		2.3	0.0	2.3				Α				0.2	0.2	0.1	0.1	0.1					0.25	0.25	0.25	0.3	0.3	0.3	0.3	0.35	
QG001 AN/SSQ-36B - SPARTON	97		1.0	0.0	1.0				A	-							-						1		0.25		0.0	0.0	0.00	0.0
QG001 AN/SSQ-36B - NOT SELECTED	98		6.1	0.0	6.1				, ,												Α	0.20	0.20	0.20	0.20		 	-		6.1
QG001 AN/SSQ-36B - NOT SELECTED	99		4.6	0.0	4.6																					-				4.6
										FIGO	AL VE	R 199										FIO	041.	ÆAR.	0000		<u> — </u>			├
ITEM / MANUEA OTUBED	_	_	Q	D	В	40	00			FISC	AL YEA			IDAD V	EAR 1	000		<u></u>				FIS				- 4 D 00				1 '
ITEM / MANUFACTURER	Y	S V C	T Y	E	A L	0 0	N	D	J	F	М	Α	М	J	J	А	S	0	N	D	J	F	М	Α	М	J	J	A	S	B A
						C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
																							<u> </u>		-	-				
QG001 AN/SSQ-36B - NOT SELECTED	98		6.1	0.0	6.1	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6								-	-		+		0.0
QG001 AN/SSQ-36B - NOT SELECTED	99		4.6	0.0	4.6			A		1	1.5			1.5		1.5	1	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
																						-								
																												-		<u> </u>

Remarks:

DD Form 2445, JUL 87 P-1 SHOPPING LIST Previous editions are obsolete 311 / 244

ITEM NO 120 PAGE 4

RATES ARE BASED ON THE FY95 CONTRACT VERSUS THE INDUSTRIAL BASE PLAN, HERMES IS NO LONGER A MOBILIZATION BASE PRODUCER.

^{**} IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%

UNCLASSIFIED

		BU	DGET ITEN	1 JUSTIFICA	ATION SHEE	ΞT			DATE:			
				P-40						FEBRU	IARY 1998	
APPROPRIATION/E	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE	AN/SSQ-53 (I	DIFAR) SONO	BUOY	
OTHER PROCU	IREMENT, NA	VY						PEO	(A) PROGR	AM NARM	#402500	
Program Element fo	or Code B Items:						Other Related	l Program Elem	ents			
BA3 - AVIATION	N SUPPORT I	EQUIPN	/IENT									
	Prior	ID									То	
	Years*	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST (In Millions)	\$1,188.5		\$0.0	\$22.7	\$46.8	\$37.3	\$30.0	\$28.9	\$30.0	\$30.5	CONTINUING	

The AN/SSQ-53 (DIFAR) is a passive directional sonobuoy which provides acoustic target localization information. The AN/SSQ-53E DIFAR Sonobuoy incorporates shallow water performance enhancements over the AN/SSQ-53D. The Engineering Change Proposal (ECP) was developed in FY97 and incorporates: (1) a Constant Shallow Omni (CSO) hydrophone, (2) Command Function Select (CFS), (3) additional DIFAR depth, and (4) Automatic Gain Control (AGC).

FY97 contracts were awarded to Hermes (17,801), Sparton (6,514) and Hughes (3,695) for a total quantity of 28,010 AN/SSQ-53E's. The FY97 program included \$6.5M for an AN/SSQ-53E ECP.

The FY98 program provides for 116,208 AN/SSQ-53E DIFAR Sonobuoys to be competed among qualified manufacturers.

The FY99 program provides for 86,283 AN/SSQ-53E DIFAR Sonobuoys to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY96 FY97 FY98 FY99 FY00 FY01 FY02 FY03 0 0 2,494 1,798 2,031 1,706 1,626 1.670

P-1 SHOPPING LIST
ITEM NO. 121 PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86

UNCLASSIFIED

	WEAPONS SYSTEM	COST A	NALYSIS			Weapon Sy								DATE:	
	P-5						(DIFAR) SC							FEBRUA	RY 1998
_	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATU	JRE/SUBHEA	D					
Other I	Procurement, Navy														
BA3 - A	AVIATION SUPPORT EQUIPMENT						PEO(A) PF	ROGRAM	NARM #40	2500 SUB	HEAD U	3QC			
			TOTAL COST IN	THOUSANI	DS OF DOLL	ARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QC001	AN/SSQ-53 w/SLC*	А	\$1,043,454				28,010	\$637.63	** \$18,215	116,208	\$353.29	\$41,056	86,283	\$383.82	\$33,117
QC830	PRODUCTION ENGINEERING		63,501						3,474			2,798			1,987
QC860	ACCEPTANCE TESTING		81,503						1,000			2,930			2,153
	* SONOBUOY LAUNCH CONTAINER ** In addition to hardware, total costs incluqualification costs and data packages.	ude \$35			ly priced su			ifications, s			duction read				
			\$1,188,458			\$0			\$22,689			\$46,784			\$37,257

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 121 PAGE NO. 2

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon AN/SSQ-5			FE	BRUARY 1	998
B. APPROPRIATION/BUDG Other Procurement,	Navy				C. P-1 ITEM NON			2500		SUBHEAD	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	PEO(A) PRO CONTRACT METHOD & TYPE	CONTR AND LO		AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY97 *											
AN/SSQ-53 w/SLC	17,801 6,514 3,695	\$380.83 \$432.58 \$456.85	NSWC CRANE NSWC CRANE NSWC CRANE	10/96 10/96 10/96	C/FFP C/FFP	SPART	ES, CAN FON, FL IES, IN	4/97 4/97 5/97	1/98 1/98 1/98	YES YES YES	
FY98											
AN/SSQ-53 w/SLC	116,208	\$353.29	NSWC CRANE	10/97	C/FFP	NOT SE	LECTED	1/98	1/99	YES	
FY99											
AN/SSQ-53 w/SLC	86,283	\$383.82	NSWC CRANE	10/98	C/FFP	NOT SE	LECTED	12/98	10/99	YES	

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 121 PAGE NO. 3

^{*} In addition to hardware, total costs include \$355K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs, and data packages.

FY 1998/99 BUDGET PRODUCT			DULE,	P-21														DATE				FE	BR	UAR	Y 19	98				
APPROPRIATION/BUDGET ACT															Syst						P-1	ITEI	ΜN	OME	ENC	_ATL	JRE			
OTHER PROCUREMENT,	NAV	Υ											AN/S			FAR)														
							Pro	duction	on Ra	ate						urem														
			nufacti										_T Pri			LT Af			Initia			eord						U	nit of	
Item			e and L	.ocatio	n		SR	1-8		M		to	Oct	1		Oct 1		Mi	fg Pl	_T	M	fg Pl	LT		Tota	ıl	<u> </u>	Ме	easur	е
		RTON				0.38		28.0		65.0						3			9						12		K			
AN/SSQ-53	HUGI	HES,	IN			0.38	}	32.6		65.0	*					3			9						12		K			
																											₩			
																											\vdash			
	_			D	В			F	ISCAL	YEAR												FIS		YEAR						
ITEM / MANUFACTURER	F Y	S V	Q T	E	A A		996	Ι _					IDAR YE			l .			1997						T	EAR 1	998	П.	Π_	В
		Ċ	Y	Ĺ	Ĺ	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U J	J U L	A U G	S E P	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U J	U U	A U G	S E P	A L
00004 ANI/000 50																														
QC001 - AN/SSQ-53 HERMES	97		17.8	0.0	17.8							Α									1 1	1.4	1 1	1 1	1 1	1 5	1.5	1 5	1 5	4.8
SPARTON	97		6.5	0.0	6.5							A															0.5			1.8
HUGHES	97		3.7	0.0	3.7							- ' '	Α													0.4				0.00
QC001 - AN/SSQ-53-NOT SELECTED	98		116.2	0.0	116.2																Α									116.2
QC001 - AN/SSQ-53 -NOT SELECTED	99		86.3	0.0	86.3																									86.3
										FI	SCAL	YEAR										FIS		YEAR						
ITEM / MANUFACTURER	F	S V	Q T	D E	В		998	T						NDAR \	/EAR 1	999	l							CALEN	T	EAR 2	:000	T	1	В
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						T	V	C	N	В	R	R	Ŷ	N) L	G	P	Т	٧	С	N	В	R	R	Ϋ́	N	L	G	P	L
QC001 - AN/SSQ-53																														
HERMES	97		17.8	13	4.80	1.6	1.6																							0.0
SPARTON	97		6.5	4.7	1.80	0.6	0.6	0.6																						0.0
QC001 - AN/SSQ-53 - NOT SELECTED	98		116.2	0.0	116.2				13	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9													0.0
QC001 - AN/SSQ-53 - NOT SELECTED	99		86.3	0.0	86.3			Α										7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.2	7.2	7.2	7.2	7.2	0.0

PAGE 4

^{*} IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%.

UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	ATION SHEE	T			DATE:			
				P-40						F	EBRUARY 199	98
APPROPRIATION/B	UDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURI		AN/SSQ-57 (SP) SONOBUOY	
OTHER PROCU	REMENT, NA	VY						PEO	(A) PROGR	AM NARM	#403000	
Program Element for	Code B Items:						Other Related	Program Eler	nents			
	Prior Years*	ID Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY	rears	Code	11 1930	111331	111330	11 1999	112000	112001	112002	112003	Complete	Total
COST (In Millions)	\$57.9		\$0.0	\$0.0	\$0.5	\$2.4	\$1.6	\$0.0	\$1.8	\$0.0	CONTINUING	

The AN/SSQ-57 (SP) is a special purpose calibrated passive sonobuoy used for determinating the level of underwater acoustic energy radiated by submarines, the magnitude of water transmission loss and bottom loss (used with the Signal Underwater Sound (SUS) sonobuoy), and the level of ambient noise.

The FY98 program provides for an analysis of the changes required to meet Congressional direction to modify AN/SSQ-57 sonobuoys to meet changing threat acoustic signatures.

The FY99 program provides for 678 AN/SSQ-57 (SP) Sonobuoys to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
0	0	0	0	33	0	37	0

P-1 SHOPPING LIST

ITEM NO. 122 PAGE NO. 1

CLASSIFICATION:

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM C	OST AN	IALYSIS			Weapon Sy	stem						,	DATE:	
	P-5						(SP) SONO							FEBRUARY	1998
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NC	DMENCLATU	JRE/SUBHEA	D					
	Procurement, Navy														
B.A. 3	AVIATION SUPPORT EQUIPMENT						PEO(A) P	ROGRAM	NARM #40	3000 SUB	HEAD TE	BD			
			TOTAL COST	T IN THOUS	SANDS OF D	OLLARS									
COST	ELEMENT OF COST	ID	Prior		FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code	Years					1	1		1	1			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
TBD	AN/SSQ-57 w/SLC*	А	\$50,654									** \$439	678	\$570.02	** \$2,385
TBD	PRODUCTION ENGINEERING		3,473									20			20
TBD	ACCEPTANCE TESTING		3,763									30			30
	*SONOBUOY LAUNCH CONTAINER ** Provides for an analysis of the change: *** In addition to hardware, total costs inc	s require	M for ECP.		al directiona	al to modify A		sonobuoys (to meet chan		acoustic si	gnatures.			\$2.43
	M 0.440, III N 00	D 4 011	\$57,890			\$0			\$0				TION		\$2,43

 DD FORM 2446, JUN 86
 P-1 SHOPPING LIST
 CLASSIFICATION:

 ITEM NO.
 122
 PAGE NO.
 2

CLASSIFICATION:	UNCLASS	IFIED
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BUDGET PROCURE	MENT HIST	ORY AND I	PLANNING EXHIBI	Γ (P-5A)		Weapon System		A. DATE		
						AN/SSQ-57 (SP) SONOBUOY		FEBRUAR	RY 1998	
B. APPROPRIATION/BUDGE Other Procurement,	Navy				C. P-1 ITEM NOM				SUBHEAD TBD	
B.A.3 AVIATION SU	JPPORT EC	UIPMENT				GRAM NARM #403000)	D. T. C.	00500	B. T.
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY99										
AN/SSQ-57	678	\$570.02	NSWC CRANE	10/98	C/FFP	NOT SELECTED	12/98	10/99	YES	06/98
D DEMARKS					<u>l</u>	1	1			

D. REMARKS

The P-5A exhibit depicts only hardware quantities and unit costs. In addition to hardware, total costs include \$2M for ECP.

P-1 SHOPPING LIST 122 ITEM NO. 3 PAGE NO. DD Form 2446-1, JUL 87

FY 1998/99 BUDGET PRODUC	1998/99 BUDGET PRODUCTION SCHEDULE, P-21																	DATE			FEB	RUAF	RY 19	998						
APPROPRIATION/BUDGET ACTION OF THE PROCUREMENT,	TIVIT	Y											Wea					ONO	BUO'		P-1 I				LAT	JRE				
				-	-		Pro	ductio	n Ra	ate								ent L												
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	Y V T E							D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N C	J U L	A U G	S E P	B A L
						Т	V								_	_														
ANYONG ST. NOT OF FOTED				<u> </u>																										0.7
AN/SSQ-57 - NOT SELECTED	99		0.7	<u> </u> '	0.7	<u></u>	-			\vdash											 				-				 	0.7
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ITEM / MANUFACTURER	F	S	Q	D	В	19	998						CALE	ENDA	R YE	AR 1					L		C	ALEND	AR YE	AR 200	J0	·		
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																													\square	
AN/SSQ-57 - NOT SELECTED	99		0.7		0.7			Α										0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.0
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Remarks:					<u> </u>																									

DD Form 2445, JUL 87 311 / 244 Previous editions are obsolete

P-1 SHOPPING LIST ITEM NO 122 PAGE 4

Exhibit P-21 Production Schedule

CLASSIFICATION: UNCLASSIFIED

		В	UDGET ITE	M JUSTIFI	CATION S	HEET			DATE:			
				P-40						F	EBRUARY 1998	
APPROPRIA	TION/BUD	GET ACT	IVITY				P-1 ITEM NO	OMENCLATI	AN/SSC	Q-62 (DICAS	S) SONOBUOY	
OPN		BA3 - A\	/IATION SUI	PPORT EQU	IPMENT			PEO(A)	PROGRAM	NARM: #4	03200 SUBHEAD:	U3QF
Program Ele	ment for Co	ode B Item	s:				Other Relate	ed Program E	lements			
B.A. 3 - AVI	ATION SUF	PPORT EC	QUIPMENT									
	Prior Years*	ID Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY												
COST (In Millions)	\$492.3		\$3.9	\$30.9	\$30.6	\$20.7	\$28.8	\$29.3	\$30.9	\$30.4	CONTINUING	

The AN/SSQ-62 (DICASS) Sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy.

The FY96 contract was awarded to Sparton for a quantity of 1,384 AN/SSQ-62D's. The FY96 program included \$1.6M for an AN/SSQ-62D ECP.

FY97 contracts were awarded to Sparton (18,542) and Hughes (3,472) for a total quantity of 22,014 AN/SSQ-62D's. The FY97 program included \$8.1M for an AN/SSQ-62E ECP.

The FY98 program provides for 26,265 AN/SSQ-62E's to be competed among qualified manufacturers.

The FY99 program provides for 15,243 AN/SSQ-62E's to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
70	936	711	1,006	1,150	1,166	1,234	1,213

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 123 PAGE NO. 1 UNCLASSIFIED

UNCLASSIFIED

ITEM NO.

123

	WEAPONS SYSTEM	COST A	NALYSIS			Weapon Sy	stem							DATE:	
	P-5					AN/SSQ-62	(DICASS) S	ONOBUO	Υ					FEBRUAI	RY 1998
_	PRIATION/BUDGET ACTIVITY								URE/SUBHEA	\D					
	Procurement, Navy														
B.A. 3	- AVIATION SUPPORT EQUIPMENT						PEO(A) PI	ROGRAM	NARM #40)3200 SU	BHEAD U	3QF			
			TOTAL COS	T IN THOUS	SANDS OF DO	LLARS									
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 1996			FY 1997			FY 1998			FY 1999	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QF001	AN/SSQ-62 w/SLC*	А	\$438,079	1,384	\$1,364.30	\$3,533	22,014	\$914.86	** \$28,243	26,265	\$1,046.87	\$27,497	15,243	\$1,206.97	** \$18,398
QF830	PRODUCTION ENGINEERING		\$24,668			195			1,599			1,305			1,104
QF860	ACCEPTANCE TESTING		\$29,578			212			1,078			1,761			1,196
** Th	NOBUOY LAUNCH CONTAINER e FY97 program includes \$8.1M for an AN/SS(n addition to hardware, total costs include (tion line verif	fications, sor	ne design a	and/or produ	ction readir	ness reviews	s, qualificatio	n costs and	data packages	
			\$492,325			\$3,940			\$30,920			\$30,563			\$20,698
DD FOR	M 2446. JUN 86	P-1 SH	OPPING LIST	Γ								CLASSIFICA	TION:		

PAGE NO.

UNCLASSIFIED

BUDGET PROCUREMEN	NT HISTORY	AND PLANNIN	IG EXHIBIT (P-5A)			Weapon System		A. DATE		
						AN/SSQ-62 (DICASS) SONOBUC	Υ	F	EBRUARY 1	998
B. APPROPRIATION/BUDGET AC Other Procurement, Nav					C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
B. A. 3 - AVIATION SUPP	PORT EQUIP	MENT			PEO(A) PRO	OGRAM				U3QF
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY96 AN/SSQ-62D w/SLC*	1,384	\$1,364.30	NSWC CRANE	10/95	C/FFP	SPARTON, FL	4/96	4/97	YES	
FY97 AN/SSQ-62D w/SLC*	18,542	\$873.60	NSWC CRANE	10/96	C/FFP	SPARTON, FL	4/97	4/98	YES	
AN/SSQ-62D w/SLC* The FY97 program includes \$	3,472	\$1,135.21	NSWC CRANE	10/96	C/FFP	HUGHES, IN	4/97	4/98	YES	
FY98 AN/SSQ-62E w/SLC*	26,265	\$1,046.87	NSWC CRANE	10/97	C/FFP	ТВА	1/98	1/99	YES	
FY99 AN/SSQ-62E w/SLC*	15,243	\$1,206.97	NSWC CRANE	10/98	C/FFP	NOT SELECTED	12/98	10/99	YES	
D. DEMARKO										

D. REMARKS

In addition to hardware, total costs include other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.

The P-5A exhibit depicts only hardware quantities and unit costs.

P-1 SHOPPING LIST ITEM NO.

FY 1998/99 BUDGET PRODUC			DULE	E, P-2	1													DATE		FE	BRU	JAR	Y 1	998						
APPROPRIATION/BUDGET AC	TIVIT	1											Nea		-			P-1	ITE	ΜN	OME	ENC	LA	ΓUR	E					
OTHER PROCUREMENT,	, NAV	Υ										AN/SS	Q-62	(DIC	ASS)			PEO	(A) F	ROG	SRAM	I NA	RM:	#4032	200					
							Pro	ductio	on Ra	ate					Proc	urer	nent	Lea	dtim	ies										
		Mar	nufactu	ırer's								AL ⁻	T Pri	or	AL	T Af	ter	I	nitia	l	Re	eord	ler					Un	it of	
Item	1 1	Name	and L	ocatio	n	MS	SR	1-8	3-5	MA	λX	to	Oct	1	(Oct 1	1	Mi	fg Pl	_T	Mf	g P	LT		Tota	ı		Mea	asur	e
AN/SSQ-62		HES,				0.25		2.6		8.0*				-		3			9			9			12		K			
71117000 02		RTON				0.25		8.0		8.0*						3			9						12		K			
	OI AI	VI OIV	,			0.23		0.0		0.0						<u> </u>			3						12		11			
	+														-									-			-			
								ļ		ļ														1						
									FISCA	AL YEA	R 19	997										FISC	CAL Y	/EAR	1998					
ITEM / MANUFACTURER	F	S	Q	D	В	19	96					CA	ALEND	DAR Y	'EAR	1997							C/	ALEND	DAR YI	EAR 1	998			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	В
		С	Υ	L	L	C	0	E	A	E	Α	P	Α	Ü	Ü	U	Е	C	0	Е	A	E	A	Р	A	Ü	Ü	U	Е	A L
						Т	V	С	Ν	В	R	R	Y	N	L	G	Р	Т	V	С	Ν	В	R	R	Y	N	L	G	Р	_
AN/SSQ-62 - HUGHES**	94		8.5	0.0	8.5	0.8			8.0		1.6	1.6	1.6			0.7														0.0
SPARTON	94		13.7	0.0	13.7							3.3	3.3	3.3	1.6	2.2														0.0
AN/SSQ-62 - SPARTON	95		22.4	9.9	12.5			3.4	1.7	1.7	2.9	2.8																		0.0
AN/SSQ-62 - SPARTON	96		1.4	0.0	1.4							0.3	0.3	0.2	0.2	0.2	0.2													0.0
AN/SSQ-62 - SPARTON	97		18.5	0.0	18.5							Α																2.1		6.3
HUGHES	97		3.5	0.0	3.5							Α												0.3	0.4	0.4	0.4	0.4	0.4	1.2
AN/SSQ-62 - TBA	98		26.3	0.0	26.3								ļ								Α		ļ		ļ	-				26.3
ANUODO OO NOT OELEOTED			45.0		45.0								-											ļ	-					45.0
AN/SSQ-62 - NOT SELECTED The FY97 program includes \$8.1M for an	99) 62E E	15.2	0.0	15.2								-			-									-	-				15.2
The F197 program includes \$8.1W for an	I AIV/330	Q-02L L	LOF.																											
				_	_				1	FISCA	L YE	AR 199										FISC		/EAR						
ITEM / MANUFACTURER	F	S	Q	D	В	19	98	,				C/	ALEND	DAR Y	EAR	1999							C/	LENE	DAR YI	EAR 2	2000			_
	Υ	V	T Y	E L	A L	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	M	Α	М	J	J	Α	S	B A
		C	T	-	-	C T	0 V	E	A	E B	Α	Р	A	U	U	U	E P	C T	0 V	E C	A	E B	A	Р	A	U	U	U	E P	L
						ı	V	С	N	В	R	R	Y	N	L	G	Р	1	V	C	N	В	R	R	Y	N	L	G	Р	
							-						-												-	-		-		
AN/SSQ-62 - SPARTON	97		18.5	12.2	6.3	2.1	2.1	2.1					-												-	+				0.0
AN/SSQ-62 - HUGHES	97	l	3.5	2.3	1.2	0.4	0.4		l				-		-								-	 	-	-	l			0.0
	Ţ.						ļ	1					†											1	†	+	l			
AN/SSQ-62 - NOT SELECTED	98		26.3	0.0	26.3				2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0							1						0.0
AN/SSQ-62 - NOT SELECTED	99		15.2	0.0	15.2			Α							1			1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0
																								Ī						

Remarks:

^{*} IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 30%-50%.

^{**} EFFECTIVE 1 AUGUST 1996, MAGNAVOX HAS BEEN RENAMED HUGHES DEFENSE COMMUNICATIONS, IN

UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
				P-40						FE	BRUARY 199	8
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE	AN/SSQ-101	(ADAR)		
OTHER PROCURE	MENT, NA	VY						PEO (A) PROGRAI	M NARM#	# 403600	
Program Element for Co	de B Items:						Other Related	Program Elem	nents			
Transitioning from F	R&D PROC	GRAM E	ELEMENT 0	604261N in	FY 99							
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
OLIANITITY												
QUANTITY												
COST												
(In Millions)	\$0		\$0.0	\$0.0	\$0.0	\$16.6	\$28.6	\$37.0	\$37.8	\$37.2	CONTINUING	

The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver.

The FY99 program provides for 3,764 AN/SSQ-101'S to be competed among qualified manufacturers.

THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-101.

P-1 SHOPPING LIST

ITEM NO. 124 PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86

CLASSIFICATION: UNC

UNCLASSIFIED

	WEAPONS SYSTEM	COST AN	ALYSIS			Weapon Sy	stem							DATE:	
	P-5	5				AN/SSQ-10	1 (ADAR) S	ONOBUOY						FEBRUA	RY 1998
	OPRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	OMENCLAT	JRE/SUBHEA	'D					
	Procurement, Navy														
3A3 - A	AVIATION SUPPORT EQUIPMENT						PEO(A) P	ROGRAM	NARM #40	3600 SU	BHEAD T	BD			
			TOTAL COS	T IN THOUS	SANDS OF I	DOLLARS									
COST	ELEMENT OF COST	ID	Prior		FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cos
				,			, ,						,		
BD	AN/SSQ-101 w/SLC*	В											3,764	\$3,908.89	\$14,713
BD	PRODUCTION ENGINEERING														908
BD	ACCEPTANCE TESTING														932
	*SONOBUOY LAUNCH CONTAINER														
	<u>I</u>	1	\$0			\$0			\$0			\$0			\$16,55

P-1 SHOPPING LIST CLASSIFICATION ITEM NO. 124 PAGE NO. 2

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
				` ,		AN/SSQ-101 (ADAR) SONOBU	OY		FEBRUA	ARY 1998
3. APPROPRIATIO	N/BUDGET	ACTIVITY			C. P-1 ITEM	M NOMENCLATURE			SUBHEAD	
	Other Pro	curement	, Navy							TBD
			PPORT EQUIPMEN	IT	PEO(A) PRO	OGRAM				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY99										
AN/SSQ-101	3,764	\$3,908.89	NSWC CRANE	10/98	FFP/I	NOT SELECTED	3/99	3/00	NO	6/98
D. REMARKS										
DD Form 2446-1, JUL 87			P-1 SHOPPING LIST	ITEM NO.	124		PAGE NO.	2		

FY 1998/99 BUDGET PRODU			DULE	E, P-2	1													DAT	=			Fe	brua	ary 1	998	,				
APPROPRIATION/BUDGET A			ROCU	DEME	NT N	141/1	,						Wea	•	Sys	stem)					IENC RAN		TUR	Έ					
	Ollii		1000	IVEIVIE	.141,1			duct	ion	Rate	<u> </u>	AN/S	3Q-10	JT (AL		cure	mer		adti			IVAII	71	1						
Item			nufactu and L		n		SR		8-5		AX		T Pi		AL	T At	ter		Initia	al	R	eord			Tota	al			nit of	
AN/SSQ-101 (ADAR)			CTED			ТВГ		ТВІ		ТВІ						3			9						12		K			
ITEM / MANUFACTURER	F	S	Q	D	В		1996	<u> </u>	F	ISCAI	L YEA			IDAP	YEAF	2 100	7					FIS	CAL Y			'EAR	1008			
TEM/ WANGI / GTOKEK	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
AN/SSQ-101 - NOT SELECTED	99		3.8		3.8																									3.8
ITEM / MANUE A OT UDED		0			В		1000			FISC	CAL Y	EAR		10.40	\/E 4 E						I	FIS	CAL Y							
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	A L	O C T	1998 N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	YEAR J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
AN/SSQ-101 (ADAR)	99		3.8		3.8						Α												0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.0
Remarks:																														

UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
				P-40						FE	BRUARY 1998	3
APPROPRIATION/BUD	GET ACTIVI	ΓY					P-1 ITEM NO	MENCLATURE	AN/SSQ-110	EER) SONOB	BUOY	
OTHER PROCURE	MENT, NA	VY						PEO(A) PROGRAM	I NARM#	403800	
Program Element for Co	de B Items:						Other Related	Program Elem	ents			
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY			23,057	0	0	0	0	0	0	0	CONTINUING	
COST			•									
(In Millions)	\$53.2		\$20.7	\$1.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	CONTINUING	

The AN/SSQ-110 is an air-dropped active source buoy to be used in conjunction with the AN/SSQ-77B and AN/SSQ-101 to perform Extended Echo Ranging (EER) system active search.

The FY96 program is for 23,057 AN/SSQ-110A's. Awards were made to Sparton (3,000) and to Hughes (20,057).

THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-110A.

P-1 SHOPPING LIST

ITEM NO. 125 PAGE NO. 1

CLASSIFICATION:

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM CO	OST AN	ALYSIS			Weapon Sy								DATE:	
40000	P-5						0 (EER) SOI		IDE/OUBLIE					FEBRU	ARY 1998
	PRIATION/BUDGET ACTIVITY Procurement, Navy					ID Code	P-1 ITEM NO	DMENCLAT	JRE/SUBHE	ND.					
	· · · · · · · · · · · · · · · · · · ·						DEO(A) DI		NADM #40	2000 CIII	DUEAD I	1201/			
B.A. 3 -	- AVIATION SUPPORT EQUIPMENT						PEO(A) PI	ROGRAM	NAKW #40	3800 50	BHEAD U	JJUK			
			TOTAL COS	I IN THOUS	SANDS OF I	DOLLARS									
COST	ELEMENT OF COST	ID	Prior		FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QK001	AN/SSQ-110 w/SLC*	А	\$47,301 23,057 \$789.85 \$18,721 1,027 1,932												
QK830	PRODUCTION ENGINEERING		3,081												
QK860	ACCEPTANCE TESTING		2,793	2,793											
	* SONOBUOY LAUNCH CONTAINER ** In addition to hardware, total costs include qualification costs and data packages.	\$509k fa	or other items s	separately p	riced such a	as production (ine verification	ns, some de	sign and/or pr	oduction rea	adiness revie	ews,			
			\$53,175			\$20,736			\$1,932			\$0			\$0

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 125 PAGE NO. 2

UNCLASSIFIED

BUDGET PROCUR	EMENT HIST	ORY AND F	PLANNING EXHIBIT (P-5A)		Weapon System		A. DATE		
						AN/SSQ-110 (EER) SONOBUO	,		FEBRUA	ARY 1998
B. APPROPRIATION/BUDG	GET ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
Other Procurement	, Navy									U3QK
3 - AVIATION SUPF	ORT EQUIP	MENT - SON	NOBUOYS		PEO(A) PRO	OGRAM NARM #40380	0			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY96										
AN/SSQ-110A	3,000 20,057	\$998.26 \$758.68	NAWC IN NAWC IN	10/95 10/95	C/FFP C/FFP	SPARTON, FL HUGHES, IN	5/96 5/96	5/97 5/97	YES YES	
D DEMARKS										

D. REMARKS

EFFECTIVE 1 AUG 1996, MAGNAVOX HAS BEEN RENAMED HUGHES DEFENSE COMMUNICATIONS, IN.

FY 1998/99 BUDGET PRODU	JCTION	SCHI	DULE	E, P-2	1													DATE							JARY	/ 19	98			
APPROPRIATION/BUDGET A OTHER PROCUREMEN														apor 10 (EI	-	stem					OME OGR			ΓURI	E					
							Pro	ducti	on R	ate					Pro	cure	mer	nt Le	adti	nes										
Item		Name	nufactu and L		n	MS		1-8			ΔX		T P Oct			T At			nitia fg P			eord fg Pl			Tota	al		Ме	nit of asur	е
AN/SSQ-110A		HES, RTON				0.25		7.7		24.0 24.0						3			9						12 12				ousa	
									FISC	CAL YE	EAR 1	1997										FISC	CAL Y	'EAR	1998					
ITEM / MANUFACTURER	F	S	Q	D	В	19	996	,		,	·	С	ALEN	IDAR	YEAR	199	7	т	,				CA	LEND	AR Y	EAR 1	998	·		
	Y	C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U J	J U	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U J	J U	A U G	S E P	B A L
QK001 AN/SSQ-110A HUGHES	94		17.4	0	17.4	1.1	2.4	2.4	2.4			2.4		0.6																0
QK001 AN/SSQ-110A HUGHES	95		43.9	0	43.9				1.8	0.6	0.9	1.2		3.0	4.2	4.7	4.7	4.7	4.7	4.7	4.7	2.8								0
QK001 AN/SSQ-110A SPARTON HUGHES	96 96		3.0	0	3.0 20.1								1.7	0.8			1.7	1.7	1.7	1.7	3.3	3.2								0
																										-				
										FISCA	L YE											FISC		'EAR						
ITEM / MANUFACTURER	F	S	Q	D	В	19	998				Υ	С	ALEN	IDAR	YEAR	199	9	т					CA	LEND	DAR Y	EAR 2	2000			_
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	B A L
																								1	_		I	-		
											-														-	-		+	-	
					1																			\vdash				-	-	
											-					-								1	+	+		 	 	
	***************************************																							1			1	\vdash		
		J																												

Exhibit P-21 Production Schedule

Remarks:

*IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%

UNCLASSIFIED

		BUI	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
				P-40						FEBRUAR'	Y 1998	
APPROPRIATION/I	BUDGET ACTIV	TY					P-1 ITEM NO	MENCLATURE	Ė	SIGNAL, UNI	DERWATER SC	UND (SUS)
OTHER PROCU	JREMENT, NA	VΥ						PEO (A)	PROGRAM	NARM#	404500	
Program Element fo	or Code B Items:						Other Related	Program Elen	nents			
	Prior	ID									To	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST												
(In Millions)	\$22.7		\$0.0	\$1.1	\$0.0	\$1.3	\$0.0	\$1.4	\$0.0	\$1.6		

Signal, Underwater Sound devices are expendable, high energy acoustic sources. The MK 84 is a non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The MK 84 SUS is used for training and exercise signaling to submarines.

The FY97 contract was awarded to Sparton for a quantity of 4,164.

The FY99 program provides for 6,000 MK 84's to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03
0	0	0	195	0	213	0	234

P-1 SHOPPING LIST

ITEM NO. 126 PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86

UNCLASSIFIED

	WEAPONS SYSTEM CO	OST AN	IALYSIS			Weapon Sy								DATE:	
	P-5					SIGNAL UN	IDERWATER	R SOUND	(SUS) MK 8	4				FEBRU.	ARY 1998
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATU	IRE/SUBHEAI	D					
Other F	Procurement, Navy														
B.A. 3 -	AVIATION SUPPORT EQUIPMENT						PEO(A) PF	ROGRAM	NARM #40	4500 SUB	HEAD US	3QH			
			TOTAL COST	IN THOUS	ANDS OF D	OLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1996			FY 1997			FY 1998			FY 1999	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
QH003	SUS MK 84	А	\$19,401				4,164	\$198.20	* \$956				6,000	\$201.16	\$1,207
QH830	PRODUCTION ENGINEERING		1,665						63						48
QH860	ACCEPTANCE TESTING		1,666						66						47
* In ad	dition to hardware, total costs include 131K for other i	tems sepa	arately priced su	ch as product	ion line verific	ations, some de	sign and/or pro	duction readin	ess reviews, qu	alification cos	sts and data pa	ackages.			
			\$22,732			\$0			\$1,085			\$0			\$1,302
DD 5001	10110 111100	D 4 011	0000110T						, ,,,,,,			01 4 0 0 1 5 1 0 4	TION		, ,,,,,

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 126 PAGE NO. 2 UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCURE	EMENT HISTO	ORY AND	PLANNING EXHIB	IT (P-5A)		Weapon System		A. DATE		
						SIGNAL, UNDERWATER SOU	ND	FEBR	JARY 1998	
B. APPROPRIATION/BUDG Other Procurement, B.A. 3 - AVIATION S	, Navy	MENT	_		C. P-1 ITEM NOI				SUBHEAD	U3QH
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISION AVAILABL
FY97 *										
QH003 - SUS MK84	4,164	\$198.20	NSWC CRANE	8/96	C/FFP	Sparton, FL	3/97	10/98	YES	
FY99										
QH003 - SUS MK 84	6,000	\$201.16	NSWC CRANE	10/98	C/FFP	NOT SELECTED	12/98	10/99	YES	
D DEMARKS										

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 126 PAGE NO. 3

^{*} In addition to the hardware costs, total costs include \$131K for other items separately priced such as production line verifictions, some design and/or production readiness reviews, qualificiation costs and data packages. The P-5A exhibit depicts only hardware quantities and unit costs.

FY 1998/99 BUDGET PRODU			EDULI	E, P-2	1							1						DATE				FEB				8				
APPROPRIATION/BUDGET A OTHER PROCUREMENT, NA		Y										sus		•	Sys	stem						ENC RAN		ΓUR	E					
							Pro	duct	ion	Rate)				Pro	cure	mer	nt Le	adti	mes										
Item			nufactu and L		on	M	SR	1-8	8-5	M	AX		T Pr Oct			T At			Initia fg Pl			eord fg P			Tota	al		Un Mea	it of	
SUS MK 84		RTON				TBI		ТВІ		TBI						3	·		9			·9 ·			12		K		<u> </u>	<u> </u>
				•																										_
ITEM / MANUFACTURER	F	S	Q	D	В		1996		F	ISCAI	L YEA	AR 199		IDAR	YEAF	R 199	7					FISC	CAL Y			EAR 1	998			
	Y	V C	T Y	E L	A L	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
QH003 - SUS MK 84- SPARTON	97		4.2	0	4.2						Α								0.4			0.4								0.0
QH003 - SUS MK 84 - NOT SEL	99		6.0	0	6.0																									6.0
										FIGG		EAD	000									FIO	241.34	F 4 D	0000					┢
ITEM / MANUFACTURER	F	s	Q	D	В		1998			FISC	JAL Y	EAR		IDΔR	YEAF	2 100	a .					FISC	CAL Y			EAR 2	2000			-
TEM WARD ACTORER	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
QH003 - SUS MK 84 - NOT SEL	99		6.0	0	6.0			A										0.5	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Q11003 - 303 WIN 04 - NOT 3EE	99		0.0	U	0.0													0.3	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	
Remarks:																														

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION,	/BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURI	LI 420400		-	
OTHER PROCU	UREMENT, NA	VY/ BA	-3 Aviation	Support Eq	uipment			WEAPON	S RANGE S	UPPORT E	QUIPMENT	
Program Element f	for Code B Items:						Other Related	l Program Eler	nents			
	Prior Years	ID Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY												
COST (In Millions)	\$836.9		\$46.5	\$31.1	\$10.5	\$8.1	\$18.6	\$25.4	\$21.2	\$20.6	Cont.	Cont.

This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Weapons Impact Scoring Set (WISS) Replacement, Systems Replacement and Modernization (SRAM), Tactical Aircrew Combat Training Systems (TACTS), Southern California (SOCAL) Communications Upgrade and generic systems such as range computer systems, underwater training range systems and range tracking, simulation, surveillance systems; and Large Area Tracking Range System (LATR System); Joint Tactical Combat Training System (JTCTS), and Mobile Remote Emitter System (MRES). The integral parts of these major range programs include but are not limited to the following: voice communications, weapons scoring systems, EW emitters/jammers, display consoles, radars, tracking subsystems, control/computation subsystems, display/debriefing subsystems, processors, HF/VHF/UHF receivers, transmitters/transceivers, multiplexers, intercom circuits, encoding devices, frequency interface control systems, power equipment, sonobouy tracking systems, bottom mounted underwater hydrophone systems, phase shift keying processors, and other specialized equipment.

Justification: Operational forces of the Navy's air, surface, and subsurface units are being equipped with the latest complex and sophisticated weapon systems to achieve and maintain high standards of fleet readiness. The FTRs must be furnished with training equipment capable of simulating, tracking, displaying, and debriefing the latest combat environments (e.g. electronic warfare). This equipment provides the Navy with the capability to: conduct safe fleet training exercises; achieve a high state of readiness; objectively evaluate training effectiveness as well as the strategy and tactics employed; evaluate the performance of equipment; and, to measure reliability and accuracy of operational weapon systems.

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION	/BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE	LI 420400			
OTHER PROCI	UREMENT, NA	VY/ BA	-3 Aviation	Support Eq	uipment			WEAPON	S RANGE S	UPPORT E	QUIPMENT	
Program Element f	for Code B Items:						Other Related	l Program Elen	nents			
								_				
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
OLIANITITY												
QUANTITY COST												
(In Millions)	\$836.9		\$46.5	\$31.1	\$10.5	\$8.1	\$18.6	\$25.4	\$21.2	\$20.6	Cont.	Cont.

SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):

The SRAM program provides for the procurement of numerous minor equipments/instrumentation needed at all Navy training ranges. SRAM procurements replace and modernize economically unmaintainable systems and equipment in order to increase range efficiency. Generally, the receiving activity will accomplish installation of these minor equipments; whereas, the more complex equipments may require installation support from other agencies. Funding for installation of minor equipment is required in all years at all ranges.

TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS):

The TACTS was developed in the early 1970's in response to the large Aircrew losses in Vietnam. TACTS tracks aircraft and monitors weapon systems during training missions. Weapons simulations are run by the TACTS in response to aircrew actions. Results are displayed in real-time and recorded for post mission debrief. The original system was installed at Yuma, AZ and a follow-on system was installed at Oceana, VA. Navy Decision Coordinating Paper (NDCP) W0431-AA established a requirement to continue development of new training techniques and capabilities through TACTS upgrades. The USAF has adopted the TACTS, renamed the Air Combat Maneuvering Instrumentation (ACMI), and more recently the Air Combat Training System (ACTS), as their standard aircrew training system. The latest generation 36 A/C system achieved an initial operating capability at Fallon NV in 1985. Other 36 A/C systems have been installed at Cherry Point, NC and Beaufort, SC. The Yuma and Oceana systems have also been upgraded to the 36 A/C configuration.

The FY 1997 program will replace the Control and Computational Subsystems (CCSs) at Fallon, Cherry Point, Beaufort, and Yuma TACTS. The older computers currently used in the CCSs at these ranges are expensive to maintain and lack the processing capacity required to fully support recent and planned software enhancements.

The Tactical Aircrew Combat Training System (TACTS) Advanced Display and Debriefing Subsystem (ADDS) displays information used to monitor range flight activities in real time and to conduct post mission debriefs. The ADDS provides graphic three dimensional and tabular data during real time and post flight operation. FY 2000 funding will improve performance. In an effort to improve the ADDS user interface, provide hardware improvements in the areas of data transfer and storage, system administration, graphic displays and networking.

The Oceana TACTS Master Station at Bodie Island requires a significant upgrade due to its age and outdated structural standards. Dangerous conditions exist when the tower is subjected to structural loading extremes from ice and wind conditions. These conditions prohibit the addition of new radio equipment or microwave dishes to

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION/	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATUR	LI 420400		-	
OTHER PROCU	JREMENT, NA	VY/ BA	-3 Aviation	Support Eq	uipment			WEAPON	S RANGE S	UPPORT E	QUIPMENT	
Program Element for	or Code B Items:						Other Related	l Program Eler	nents			
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
CHANTITY												
QUANTITY COST		+										
(In Millions)	\$836.9		\$46.5	\$31.1	\$10.5	\$8.1	\$18.6	\$25.4	\$21.2	\$20.6	Cont.	Cont.

support program requirements. Specifically, the LATR and Littoral Warfare Training Center (LWTC) communications needs can not be served with the state of the existing tower. An upgraded tower will be integrated into a previously established government datalink and will directly support the LWTC communications bandwith requirements.

SHALLOW WATER RANGE (SW RANGE):

Existing underwater ranges are situated in deep water and cannot provide training in Anti-Submarine Warfare (ASW) tactics employed in shallow coastal waters. A Mission Needs Statement (MNS) for Shallow Water training instrumentation has been endorsed by both Atlantic and Pacific fleets and signed by N8: Fixed instrumentation is required to preclude the recurring cost of periodic retrieval and maintenance of mobile systems. FY 1997 funds the LANTFLT requirement for the procurement of the initial increment of a 125 square Nautical Miles (NM) shallow water range and range control equipment at Onslow Bay, NC.

COMMUNICATIONS UPGRADE (TWENTYNINE PALMS):

Certain training sites within the Twentynine Palms' operating area do not have communications with the Twentynine Palms BEARMAT control facility. FY 1997 funding will procure eight solar powered communications suites and a backbone microwave link back to BEARMAT for continuous communications with aircraft and ground personnel operating throughout the Twentynine Palms operating area. Installation support for FY97 is for site preparation at Twentynine Palms.

LOW ALT SURV RADAR (LASR)

Due to the elevation of the San Clemente radar on Mt. Thurst and the terrain between Mt. Thurst and the water, blind spots exist in the low level and surface radar coverage of the ASW and Range Electronic Warfare Simulator (REWS) range areas. It is in these low-level blind areas that much of the work with helicopters and surface craft takes place. Air and surface safety surveillance data is required in the SOCAL operating area south and west of San Clemente Island from the radar horizon from Mt. Thurst and from the surface to 5,000 feet. FY 2000 will fund the procurement of (1) low level surveillance radar to cover existing blind spots at San Clemente.

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION/	BUDGET ACTIV	ITY					P-1 ITEM NO	MENCLATURE	LI 420400			
OTHER PROCU	JREMENT, NA	VY/ BA	-3 Aviation	Support Eq	uipment			WEAPON	S RANGE S	UPPORT E	QUIPMENT	
Program Element fo	or Code B Items:						Other Related	Program Elen	nents			
	Prior Years	ID Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY	rouro	0000	111000	111007	111000	111000	112000	112001	112002	1 1 2000	Complete	10101
COST (In Millions)	\$836.9		\$46.5	\$31.1	\$10.5	\$8.1	\$18.6	\$25.4	\$21.2	\$20.6	Cont.	Cont.

LATR SYSTEM

LATR ACM RETROFIT

The Air Combat Maneuvering (ACM) capability is being developed as an Engineering Change Proposals (ECPs) to the PMRF LATR in FY97. This upgrade provides weapon simulations for air-to-air and air-to-ground training exercises. The upgrade is primarily a software modification to the existing baseline with only minor hardware changes. This upgrade will be retrofitted to the Virginia Capes (VACAPES) and Southern California Offshore Range (SCORE) Range in FY2001.

LATR INTEGRATION FACILITY (LIF)

The LATR Integration Facility Software Support Activity (LIF) (SSA) provides hardware/software support for the three LATR training ranges at VACAPES, SCORE, AND PMRF. An upgrade is needed to the existing system to provide an operational system that can be used for hardware/software developments without having to go to an operational range for final integration and testing. The LIF requires additional communication and LATR hardware to obtain this capability.

LATR VEHICLE INSTRUMENTATION PACKAGES (VIPs)

A low cost instrumentation package is needed to track ground vehicles during training exercises without using expensive airborne or shipboard Participant Instrumentation Packages (PIPs) developed for the LATR system. The Vehicle Instrumentation Packages (VIPS) are developed using a Global Positioning System (GPS) receiver and a transponder/radio that interfaces with the current LATR system, thereby providing realtime tracking data back to the range operation center.

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
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APPROPRIATION/	BUDGET ACTIVI	ITY					P-1 ITEM NO	MENCLATUR	LI 420400			
OTHER PROCU	JREMENT, NA	VY/ BA	-3 Aviation	Support Eq	uipment			WEAPON	S RANGE S	UPPORT E	QUIPMENT	
Program Element fo	or Code B Items:						Other Related	l Program Elen	nents			
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST (In Millions)	\$836.9		\$46.5	\$31.1	\$10.5	\$8.1	\$18.6	\$25.4	\$21.2	\$20.6	Cont.	Cont.

LATR UPGRADE AT SCORE

During the testing of the LATR system at SCORE, the Radio Frequency Interference (RFI) was so great that LATR was unable to establish and maintain the links required to transmit data. This made LATR inoperable at SCORE. FY-99 funding has been provided for a three phased approach which will convert the SCORE instrumentation to a new frequency which has been demonstrated to rectify the problem. Phase one changes the frequency of instrumentation currently being procured. Phase two would procure the additional instrumentation to permit SCORE to be independent. Phase three would convert all the remaining instrumentation at SCORE to the new frequency.

TELEMETRY EQUIPMENT:

The Telemetry Equipment program will upgrade and modernize equipment, inclusive of related target control systems/equipment, at Fleet Telemetry (TM) stations and the Pacific Missile Range Facility (PMRF). These stations are located in Greece, Puerto Rico, Virginia and Hawaii. Presen telemetry stations are based on telemetry requirements established in the early 1970s. Since then, missiles have advanced in sophistication and complexity including a move from analog to digital technology. Prior year funding has provided modest on-going improvements and modernization programs to replace least reliable equipment's and meet the most urgent telemetry requirements for new weapon systems. The only exception being the Puerto Rico Station. Consequently, the stations have become increasingly difficult and expensive to maintain and are not suited to handling the new digital TM formats required by new emerging weapon systems.

FY 1997 funding will continue to upgrade the tracking processing, and display elements of Portable Airlaunched Missile Telemetry Acquisition System (PATAS) and upgrade the AFWTF TM station.

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION/	BUDGET ACTIVI	ITY					P-1 ITEM NO	MENCLATURI	LI 420400		-	
OTHER PROCU	JREMENT, NA	VY/ BA	-3 Aviation	Support Eq	uipment			WEAPON	S RANGE S	UPPORT E	QUIPMENT	
Program Element fo	or Code B Items:						Other Related	Program Eler	nents			
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST (In Millions)	\$836.9		\$46.5	\$31.1	\$10.5	\$8.1	\$18.6	\$25.4	\$21.2	\$20.6	Cont.	Cont.

JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS)

The Joint Tactical Combat Training System (JTCTS) will procure fixed, transportable, and mobile range instrumentation equipment for the USN and USAF for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. JTCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and, provide accurate, realistic, and timely feedback. JTCTS is building on technology developed for existing tactical training range systems including the Tactical Aircrew Combat Training System, Mobile Sea Range, Large Area Tracking Range, and the capabilities developed for the Battle Force Tactical Trainer program. JTCTS incorporates the Defense Modeling and Simulation Office sponsored Distributed Interactive Simulation protocol data unit and the High Level Architecture for interoperability with Navy and other service live, virtual (simulators), and constructive (war games) simulations.

MOBILE REMOTE EMITTER SYSTEM (MRES)

The Mobile Remote Emitter System (MRES) is a high power Electronic Warfare simulator system capable of illuminating aircraft, ships, and various other signal collection platforms, with emitters from 2 to 18 GHz. The system will also be capable of receiving active Electronic Countermeasures (ECM) transmissions from 500MHz to 18 GHz for spectrum viewing and evaluation of ECM techniques. The MRES will use the Large Area Tracking Range (LATR) system and/or video and Identifying Friend or Foe (IFF) tracking modes for position pointing sources.

The MRES system will be capable of generating threat scenarios to support non-instrumented test and training sites and also support Navy and Joint exercises. The MRES will be a ruggedized, highly reliable and maintainable system. It will consist of off-the-shelf components incorporating minor modifications as necessary to meet unique mission support areas. It will have a VHF/UHF communications system to provide voice and data exchange with the test platform or exercise coordinator and Range Control facility. The FY 98 funding will provide for one system.

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BUDGET ITEM JUSTIFICATION SHEET FO	JI AGGILLOAT	LD II LINIO	•						DATE:	Februs	ary 1998	
APPROPRIATION/BUDGET ACTIVITY						P-1 ITE	EM NOMENCL	ATURE		i ebiu	ary 1330	
OTHER PROCUREMENT, NAVY/ BA-3 Aviat	tion Support Ed	quipment										
,	ID	Prior									То	
Procurement Items	Code	Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Tota
REWS												
QUANTITY												1
COST (In Thousands)		14,637										14,63
MACCS												
QUANTITY												1
COST (In Thousands)		11,205										11,20
THREAT EMITTERS												
QUANTITY			5									10
COST (In Thousands)		65,933	3,188									69,12
AVENGER												
QUANTITY												4
COST (In Thousands)		1,898										1,89
WISS												
QUANTITY			15									24
COST (In Thousands)		3,919	8,073									11,99
TACTS												
FALLON/NELLIS												
QUANTITY												1
COST (In Thousands)		1,923										1,92
WHAT LOW TARTS												
YUMA LOW TACTS			_									
QUANTITY			1									1 586
COST (In Thousands)			586									380
CHERRY PT UPGRADE												
QUANTITY			1									1
COST (In Thousands)			1,439									1,43
TACTS CONTROL												
QUANTITY				4								4
COST (In Thousands)				1,250								1,25
BODIE ISLAND UPGRADE/LWTC DATALINK												
QUANTITY							1				1	1
COST (In Thousands)						767	795	480				2,04
ADDS/HW UPGRADE												
QUANTITY							22	23				45
COST (In Thousands)							971	967				1,93
SW RANGE (LANT)												
QUANTITY				1					1			
COST (In Thousands)				12,464				674	6,285	1,054	CONT	CON
	1	1			1 SHOPPING I			LASSIFICATI		1	1	

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BUDGET ITEM JUSTIFICATION SHEET F	OR AGGREGAT	ED ITEMS							DATE:			
P-40a									Fe	bruary 1	998	
PPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Avia	tion Support Fo	winment				P-1 ITE	EM NOMENCL	ATURE		-		
STILL TROOURLINENT, NAVIT BAO AVIO	ID ID	Prior									То	
Procurement Items	Code	Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
1 Todaromone Nome	0000	10010					2000	2001	2002	2000	Complete	. 0.0.
SW RANGE (PAC)												
QUANTITY								1		1		
COST (In Thousands)							1,650	12,190	2,115	8,059	CONT	CONT
SOCAL COMM UPGRADE												
QUANTITY												
COST (In Thousands)		1,612	5,899									9,12
CCN II												
QUANTITY												1
COST (In Thousands)		6,000										6,000
PMRF UPGRADE												
QUANTITY			1									2
COST (In Thousands)		33,246	9,462									75,954
MAGICC												
QUANTITY									1	1		2
COST (In Thousands)									482	480		962
ATR SYSTEM												
LATR UPGRADE SCORE												
QUANTITY						49	73					122
COST (In Thousands)						1,084	1,941					3,025
LATR ACM RETROFIT												
QUANTITY				1				2				3
COST (In Thousands)				4,226				387				4,613
LATR VIPS												
QUANTITY							33		33			66
COST (In Thousands)							483		482		1	965
LATR INTEGATION FACILITY												
QUANTITY					·							
COST (In Thousands)							274	211				485
ITTORAL WARFARE TRAINING COMPLEX												
MAEWR ROCC												
QUANTITY												1
COST (In Thousands)		318										318

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BUDGET ITEM JUSTIFICATION SHEET FOR	AGGREGAT	EDITEMS							DATE:			
P-40a									Fe	bruary 19	98	
APPROPRIATION/BUDGET ACTIVITY DTHER PROCUREMENT, NAVY/ BA-3 Aviation	n Cunnart E	nuinmant				P-1 ITE	EM NOMENCL	ATURE				
THER PROCOREMENT, NAV 17 BA-3 AVIALIO	ID ID	Prior									То	
Procurement Items	Code	Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Tota
OW ALT TRACKING MCB CAMP LEJEUNE												
QUANTITY												1
COST (In Thousands)		1,008										1,008
COMM SUITE INSTALLATION												
QUANTITY			1									1
COST (In Thousands)			719									719
400 00005												
ASR SCORE												
QUANTITY							1					1
COST (In Thousands)							1,262					1,262
FELEMETRY												
QUANTITY												
COST (In Thousands)		12,822	1,203	999								27,84
COMM UPGRADE (TWENTY-NINE PALM)												
QUANTITY												
COST (In Thousands)				787								787
GRAM												
QUANTITY												
COST (In Thousands)		35,012	5,426	5,535	2,073	3,029	6,123	4,882	6,186	6,097	CONT	CON
				-,			,	, , , ,		-,		
пстѕ												
QUANTITY							1	1	1	1		
COST (In Thousands)							1,485	2,032	2,988	2,205	CONT	CON
MRES												
QUANTITY					1							1
COST (In Thousands)					5,829							5,829
OTHER COSTS		647,375	10,518	5,857	2,646	3,184	3,578	3,534	2,643	2,740	CONT	CON
FOTAL FUNDING		836,908	46,513	31,118	10,548	8,064	18,562	25,357	21,181	20,635	CONT	CON
		555,550	,510	0.,110	. 0,040	0,007	.0,502	_0,001	,.0.	_0,000	00.41	30.1

ITEM NO.

	WEAPONS SYSTEM P-5		ALYSIS			Weapon S	ystem							DATE: Februa	ary 1998
Other P	PRIATION/BUDGET ACTIVITY Procurement, Navy viation Support Equipment						P-1 ITEM NO			43SC	MENT			•	
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cos
SC001	REWS	N/A	14,637												
SC002	AIRCREW EW TRAINING RANGES MACCS (Cherry Point)	N/A	79,036			[3,188]									
	Yuma: Threat Emitters Comm System Interface			5	637.6	3,188									
	Avenger MRES									1	5,829	5,829			
SC003	WISS REPLACEMENT	N/A	3,919	15	538.2	8,073									
SC004	SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM)	N/A	35,012		N/A	5,426		N/A	5,535		N/A	2,073		N/A	3,029
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Other Pro	RIATION/BUDGET ACTIVITY					Weapon S	yotom							DATE: Februa	ary 1998
	ocurement, Navy iation Support Equipment						P-1 ITEM NO			43SC	IENT				
COST	ELEMENT OF COST	ID	Prior		FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	FACTICAL AIRCREW COMBAT FRAINING SYSTEM (TACTS)	N/A	35,921			[2,025]			[1,250]						
Fa	Fallon/Nellis Microwave Link														
Yı	/uma Low Altitude TACTS Tracking			1	586	586									
C	Cherry Point Upgrade			1	1,439	1,439									
T/	FACTS Control & Computational Subsystem (CCS)					4	312.50	1,250						
Br	BODIE ISLAND UPGRADE/LWTC DATALIN	Κ											N/A		767
SC012 SI	 SW RANGE (LANT) EAST COAST PHASE O	NE					1	12,464	12,464						
SC018 C	COMM UPGRADE (TWENTYNINE PALMS)						N/A		787						
SC027 C	CCN II		6000												
	PACIFIC MISSILE RANGE FACILITY JPGRADE (PMRF)	N/A	33246	1	9,462	9,462									
	ATR SYSTEM LATR ACM RETROFIT						1	4,226	4,226						
L	LATR UPGRADE SCORE	N/A											49	22.12	1,084
SC037 S	SOCAL COMM UPGRADE	N/A	1612	N/A		5,899									

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	WEAPONS SYSTEM (P-5		Weapon S	ystem							DATE:	ary 1998			
Other P	PRIATION/BUDGET ACTIVITY Procurement, Navy viation Support Equipment						P-1 ITEM NO			43SC	/IENT			i ebi da	iy 1330
COST	ELEMENT OF COST	ID Prior FY 1996 Code Years Total Cost Quantity Unit Cost				Total Cost	Quantity	FY 1997 Unit Cost	Total Cost	Quantity	FY 1998 Unit Cost	Total Cost	Quantity	FY 1999 Unit Cost	Total Cos
				•			,			-					
SC040	LITTORAL WARFARE TRAINING COMPLEX	N/A	1540			[719]									
	MAEWR ROCC		318												
	Low Alt Tracking MCB Camp Lejeune		1,008												
	Comm Suite			1	719	719									
SC601	TELEMETRY	N/A	12,822	N/A		1,203	N/A		999						
SC831	PRODUCTION ENGINEERING, OTHER RANGES	N/A	65,202	N/A		5,891	N/A		2,925	N/A		1,505	N/A		1,562
SC860	ACCEPTANCE TEST & EVALUATION	N/A	4,539	N/A		1,082	N/A		1,083	N/A		205	N/A		150
SC971	ILS, OTHER RANGES	N/A	28,291	N/A		2,072	N/A		1,034	N/A		741	N/A		375
SC900	INSTALLATION OF EQUIP-NON FMP	N/A	6,570	N/A		1,473	N/A		815	N/A		195	N/A		1,097
	VARIOUS 1/		496,281												
1/ The am	nount identified against this cost element refl	ects total p	orior year fun	ding associa	ated with cos	t elements n	o longer finan	ced in FY 19	95 and beyo	nd.					
			836,908			46,513			31,118			10,548			8,064

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UNCLASSIFIED

BUDGET PROCUREMENT	HISTOR	Y AND PL	ANNING I	EXHIBIT (P-5A)			Weapon System		A. DATE		
										February 19	98
B. APPROPRIATION/BUDGET ACTI						C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
Other Procurement, Navy										43	SC
BA-3 AVIATION SUPPOR	T EQUIP	MENT					RANGE SUPPORT EQU	IPMENT			
Cost Element/ FISCAL YEAR		QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SC002 MRES	1998	1	5,829	NAWCAD PAX	5/98	FFP/PX	TBD	8/98	1/00	NO	Mar-98
SC004 SYS REPL <u>& MOD</u>											
	1997	N/A	5,535	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/97	YES	N/A
	1998	N/A	2,073	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/98	YES	N/A
	1999	N/A	3,029	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/99	YES	N/A

D. REMARKS

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^{*}SRAM consists of approximately 70 projects each FY with award dates starting when funds are released and continuing until 31 MARCH of current FY.

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AVIATION SUPPORT EQUIPMENT	Y AND PLA	ANNING E	XHIBIT (P-5A)			Weapon System		A. DATE	Eobruary 10	108
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy					C. P-1 ITEM NOM	 ENCLATURE			SUBHEAD	96
BA-3 Aviation Support Equipment					WEAPONS R	RANGE SUPPORT EQUI	PMENT		43SC	
					CONTRACT			DATE OF	SPECS	IF NO
Cost Element/	QUANTITY	UNIT	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	FIRST	AVAILABLE	WHEN
FISCAL YEAR		COST (000)	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
SC007 TACTS										
TACTS CCS 1997	4	312.5	NAWCWD CHINA LAKE	N/A	PX	NAWCWD CHINA LAKE	01/97	10/98	YES	N/A
BODIE ISLAND UPG/LWTC DATALINK 1999	N/A	767	NAVAIR	4/98	FFP	TBD	10/98	5/99	YES	N/A
SC012 SW RANGE 1997	1	12,464	NAVAIR	2/14/97	CPIFAF	SAIC/MARI PRO	09/97	07/99	YES	N/A
SCO18 COMM UPGRADE TWENTY-NINE PALMS 1997	N/A	**787	NWAD, CORONA	N/A	PX	MOTOROLA, INC SCOTTSDALE, AZ	11/96	10/97	YES	N/A
SC034 LATR SYSTEM	1									
LATR ACM RETROFIT 1997	1	4,226	NAWCADPAX	10/97	FFP	SAIC	12/97	6/99	YES	N/A
LATR UPGRADE SCORE 1999	49	22.1	NAWCAD PAX	06/98	FFP	SAIC, SAN DIEGO	11/98	10/99	YES	N/A
SC601 TELEMETRY	ı									
1997	N/A	**999	NWAD, CORONA	VARIOUS	C/FFP/PO	VARIOUS	01/97	06/98	YES	N/A

D. REMARKS

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^{**}Total cost is shown, Unit cost will vary by site, due to unique turnkey installation requirements and telemetry site unique missions and resulting configurations.

FY 1998/99 BUDGET PRODUCTIO APPROPRIATION/BUDGET ACTIVI OTHER PROCUREMENT, NA	ΓY				Suppor	4 E	~	nm/	n:				Wea	apor	Sys	stem		DATE P-1 I			ENC	CLA.		E 43	SC	DT 1			·	
OTHER PROCOREMENT, NA	V 1/ E	DA-3	Avia	lion	Suppor	LE				Rate					ь	rocui	rom	ent Le		WEAI	ON	SRA	ANGI	= 50	PPO	KIE	:QUII	PINE	:NI	
		M	anufad	turer'	<u> </u>		FIU	duci	1011	Kale		ΔΙ	T P	rior		T Af			nitial		R	eord	der .				$\overline{}$	Hn	it of	
Item			e and			N/I	SR	1_1	8-5	N/A	ΑХ		Ос			Oct 1			fg PL			fg P			Tota			Mea		_
TACTS CCS	NΔWC	C-WD C			.1011	IVI	OIX	1-	J-J	1717	٦/\	١٥	00			JUL 1		IVI	19 1 1	- '	IVI	ıg ı			1018			VICE	Jour	_
SW RANGE		MARI P			<u></u>																									
MRES	OAIO/I	IVIZALALI	TBD	LL IA,	<u>о</u> д																									
LATR UPGRADE SCORE		SVIC	SAN DI	EGO				1																			\vdash			
BODIE ISLAND UPG/LWTC DATALINK		SAIC,	TBD	LGO																										
ADDS H/W UPGRADE			TBD																								 			
LATR VIPS		NIAWC	C-AD PA	Y				1																			\vdash			
JTCTS	PAVT	HEON,			4 PI																						\vdash			
01010	10(1)	I LON,	I	WICCII	1, 131				_	FISCAI	VEA	D 10	07									ICC A	L YEA	D 10	00					r
ITEM / MANUFACTURER	F	s	Q	D	В		1996		<u> </u>	TISCAI	LIEF	NR 19		END	VE	AR 19	207					ISCA				EAR 1	000			
TIEM / MANUFACTURER	Y	5 V	T	E	A		T	Τ_		Τ-			Γ	-ENDA		T . T						Τ_	T	T	T	EAR I				В
		Ċ	Y	L	L	O	N O	D E	J A	F	M A	A P	M A	U	Ŋ	U	S E	O C	N O	D E	J A	F	M A	A P	M A	Ŋ	J	A U	S	Α
						Т	V	C	N	В	R	R	Y	N	L	G	Р	T	V	C	N	В	R	R	Y	N	L	G	P	L
TACTS CCS	97	N	4	0	4				Α																					4
SW RANGE	97	N	1	0	1												Α													1
MRES	98	N	1	0	1																							Α		1
LATR UPGRADE SCORE	99	N	49	0	49		ļ	ļ		-				-									ļ							49
							-	-		-												-	-				-			
							-	-															-							
			1				-	-		FISC	CAL Y	EAR	1999	1							F	ISCA	L YEA	R 20	00			_		
ITEM / MANUFACTURER	F	s	Q	D	В	***************************************	1998							_END/	AR YE	AR 19	999		************		<u> </u>					EAR 2	.000			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	s	В
		С	Υ	L	L	C	0	E	A	E B	A	P	A	Ü	Ü	U	E	C	0	E	A	E	A	P	A	Ü	Ü	U	E	A
						Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
TACTS CCS	97	N	4	0	4	1	1	2																						0
SW RANGE	97	N	1	0	1									-	1								ļ							0
MRES	98	N	1	0	1														00		1						_			0
LATR UPGRADE SCORE BODIE ISLAND UPGRADE/LWTC DATALINK	99 99	N N	49 1	0	49 1	Α	A	-					1					20	20	9			-							0
BODIE IGEAIND OF GIVADE/EW TO DATALINK	99	IN		U	l		-	-		-													+				 			
	1																													
								1		-																				
		<u> </u>	<u></u>			<u> </u>			<u> </u>												<u> </u>			<u> </u>						

Remarks:

ITEM NO 127 PAGE 15 Exhibit P-21 Production Schedule

Exhibit P-20, Requiremen	nts Study			APPROPRIATION/B			DATE		
			1	OTHER PROCUREMENT, N	NAVY BA3-AVIATION			February	1998
P-1 ITEM NOMENCLATURE				adtime (after Oct1):			Leadtime :		
SC007 TACTS CCS			4 MONT	HS		21 N	IONTHS		
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		1 1 1550	4	111330	111000	1 1 2000	1 1 2001	112002	1 1 2000
Unit Cost			312.50						
Total Cost		0	1,250						
Asset Dynamics			,						
Beginning Asset Position			0	0	0	4	4	4	4
Deliveries from all prior year									
Deliveries from FY 1997 fund	ding			0	4	0	0	0	0
Deliveries from FY 1998 fund									
Deliveries from FY 1999 fund	ding								
Deliveries from subsequent y	rears' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition									
End of Year Asset Position		0	0	0	4	4	4	4	4
Inventory Objective or Currer		0	4	4	4	4	4	4	4
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligible for		Aircraft:	
4	Expenditures 0	Usage	0	(Vehicles/Other)	N/A	FY 1998 Replacen			N/A
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible fo		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replacen	nent:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augment:		Attrition Res	S:
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv	:
TOTAL:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

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OTHER PROCUREMENT, NAVY BA3-AVIATION SUPPORT EQUIP Februar	1998
P-1 ITEM NOMENCLATURE Admin Leadtime (after Oct1): Prod Leadtime :	
SC012 SHALLOW WATER RANGE 9 MONTHS 25 MONTHS	
Journal Journa	
FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 200	FY 2003
Buy Summary 1-EAST COAST PHASE 1 1-WEST COAST 1-EAST COAST	
PHASE 1 PHASE	
Unit Cost 12,464 12,864 8,40	9,113
Total Cost 12,464 1,650 12,864 8,40	9,113
Asset Dynamics	
Beginning Asset Position 0 0 0 1 1 1 1 1	1
Deliveries from all prior year funding	
Deliveries from FY 1997 funding 1-EAST COAST PHASE 1 0 0 0	0
Deliveries from FY 1998 funding	
Deliveries from FY 1999 funding	
Deliveries from subsequent years' funding 0 0 0 0 0 0	1-WEST COAST
	PHASE 1
Other Gains Other Gains	
Combat Losses/Usage	
Training Losses/Usage	
Test Losses/Usage	
Other Losses/Usage	
Disposals/Retirements/Attritions/etc.	
End of Year Asset Position 0 0 1 1 1	2 PHASES
Inventory Objective or Current Authorized Allowance 0 3 3 3 3 3 3	3
Inventory Objective Actual Training Other than Training Disposals Vehicles Eligible for Aircraft:	21/2
3* Expenditures 0 Usage 0 (Vehicles/Other) N/A FY 1998 Replacement: N/A TOAI:	N/A
Assets Rqd For Combat FY 1996 thru FY 1996 thru Vehicles Eligible for PAA:	
Loads: XXXXX: XXXXX: FY 1999 Replacement: TAI WRM Ramt: FY 1995: FY 1995: Vehicle Augment: Attrition F	
WRM Rqmt: FY 1995: FY 1995: Vehicle Augment: Attrition F Pipeline: FY 1994: FY 1994: FY 1994: BAI	8 8.
Fredition	V.
TOTAL: F1 1993. F1 1993. F1 1993. Storage:	٧.

Remarks: *Inventory Objective is 3 as follows:

- 1. East Coast (4 Phases)
- 2. West Coast (3 Phases)
- 3. WestPac (1 Phase)

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Exhibit P-20, Requireme	nts Study			APPROPRIATION/	BUDGET ACTIVI	TY	DAT	E:	
				OTHER PROCUREMENT,	NAVY BA3-AVIATION	SUPPORT EQUIP		February	1998
P-1 ITEM NOMENCLATUR	E		Admin I	eadtime (after Oct1):		Pro	d Leadtime :		
SC007 BODIE ISLAND U	PGRADE/LWTC DATALINE	(4 MONTHS			. 6	MONTHS	
	FY 95	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					0	1	0		
Unit Cost						795			
Total Cost					767	795	480		
Asset Dynamics									
Beginning Asset Position					0	0	1	1	1
Deliveries from all prior year	funding FY 96								
Deliveries from FY 1997 fun	ding								
Deliveries from FY 1998 fun	ding								
Deliveries from FY 1999 fun	ding								
Deliveries from subsequent	years' funding					1	0	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End of Year Asset Position						1	1	1	1
Inventory Objective or Curre						1	1	1	1
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligible f		Aircraft:	
1	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replace		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible f		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replace		TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:	0	Vehicle Augment:		Attrition Re	S:
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other: TOTAL:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv	:
								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

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CLASSIFICATION: UNCLASSIFIED

DD Form 2454, JUN 86

Exhibit P-20, Requireme	ents Study				APPROPRIATION/E	BUDGET ACTIVI	TY	DAT	 E:	
· · ·	•				OTHER PROCUREMENT,	NAVY BA3-AVIATION	SUPPORT EQUIP		February	1998
P-1 ITEM NOMENCLATUR	RE			Admin Lea	dtime (after Oct1):		Pro	d Leadtime :	-	
SC034 LATR UPGRADE	SCORE				2 MONTHS				11 MON	гнѕ
				1						
	FY 95	FY 1996	F	Y 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						49	73			
Unit Cost						22.12	26.59			
Total Cost						1,084	1,941			
Asset Dynamics										
Beginning Asset Position						0	0	49	122	122
Deliveries from all prior yea	r funding FY 96									
Deliveries from FY 1997 fur	nding									
Deliveries from FY 1998 fur	nding									
Deliveries from FY 1999 fur							49			
Deliveries from subsequent	years' funding							73	0	0
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attri						_				
End of Year Asset Positio						0	49	122	122	122
Inventory Objective or Curre						122	122	122	122	122
Inventory Objective	Actual Training	Other than Trainir	ng		Disposals		Vehicles Eligible f		Aircraft:	
122	Expenditures	Usage			(Vehicles/Other)		FY 1998 Replace		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru			FY 1996 thru		Vehicles Eligible f		PAA:	
Loads:	XXXXX: FY 1995:	XXXXX:			XXXXX: FY 1995:		FY 1999 Replace		TAI	
WRM Rqmt: Pipeline:	FY 1995:	FY 1995: FY 1994:			FY 1995: FY 1994:	0	Vehicle Augment:		Attrition Re	S:
Other:	FY 1994.	FY 1994.			FY 1994.				Inactive Inv	
TOTAL:	F1 1993.	F 1 1993.			F1 1993.				Storage:	•
Remarks:									Storage.	
Remarks.										
1										

P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED CLASSIFICATION:

Exhibit P-20, Requireme	ents Study				APPROPRIATION/I	BUDGET ACTIVI	ITY	DAT	E:	
					OTHER PROCUREMENT,	NAVY BA3-AVIATION	SUPPORT EQUIP		Februa	ary 1998
P-1 ITEM NOMENCLATUR	E			Admin Lea	dtime (after Oct1):		Prod	Leadtime :		-
SC002 MRES					3 MONTHS			18	MONTHS	
	FY 95	FY 1996	ΕV	′ 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	1195	1 1 1990		1991	1 1 1990	111999	1 1 2000	1 1 2001	112002	1 1 2003
Unit Cost					5,829					
Total Cost					5,829					
Asset Dynamics					5,5_5					
Beginning Asset Position					0	0	0	1	1	1
Deliveries from all prior year	r funding FY 96					-	-			
Deliveries from FY 1997 fun										
Deliveries from FY 1998 fun	nding				0	0	1	0	0	0
Deliveries from FY 1999 fun	nding									
Deliveries from subsequent	years' funding									
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attrit										
End of Year Asset Position	n				0	0	1	11	1	1
Inventory Objective or Curre					0	0	1	1	1	1
Inventory Objective	Actual Training	Other than Training			Disposals		Vehicles Eligible fo		Aircraft:	
1	Expenditures 0	Usage 0			(Vehicles/Other)	N/A	FY 1998 Replacem		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru			FY 1996 thru		Vehicles Eligible fo	r	PAA:	
Loads:					XXXXX:		FY 1999 Replacem	ent:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:			FY 1995:	0	Vehicle Augment:		Attrition Res	S:
Pipeline:	FY 1994:	FY 1994:			FY 1994:				BAI	
Other:	FY 1993:	FY 1993:			FY 1993:				Inactive Inv	:
TOTAL:									Storage:	

P-1 SHOPPING LIST

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CLASSIFICATION:

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UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
				P-40						FEBRU <i>A</i>	ARY 1998	
APPROPRIATION/BU	JDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCU	REMENT, N	AVY/ BA	A-3 Aviation	Support Ed	quipment		EXPEDITI	ONARY AIR	FIELDS			
Program Element for	Code B Items:						Other Related	Program Elem	nents			
0603512N				1		1		T	1	1		T
	Prior Years	ID Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY												
COST (In Millions)	\$121.0		\$6.0	\$1.5	\$1.2	\$5.0	\$3.0	\$7.7	\$7.9	\$8.0	Continuing	Continuing

EXPEDITIONARY AIRFIELDS (EAF)

This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting, and Visual Landing Aids for Naval Aviation Expeditionary Airfields (EAF).

This core funding level directly supports the procurement and fielding of operational expeditionary airfield systems in the three active duty Marine Aircraft Wings and one Reserve Marine Aircraft Wing, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contingency operations.

A Total of twenty-eight (28) mobile arresting gear systems, as well as associated equipment, accessories, and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements required to fill or correct known deficiencies, and EAF equipment modernization required to improve maintainability, reliability and safety-of-flight, and to keep pace with new aircraft and aircraft systems modifications. Additionally, equipment procurements will facilitate forward deployment of EAF systems aboard Rapid Deployment Force/Maritime Prepositioning Force (RDF/MPF) ships; this is an operational requirement under the Maritime Corps Master Plan, the Enhanced Maritime Prepositioning Squadron (EMPS) requirement, and the EAF 2000 concept.

The FY 1997 program provided for service change kit procurements of F-70 tool kits to accommodate pre-positioning EAF assets on MPS, refurbishment of M-21 arresting gear, and PE and ILS for EAF procurement products.

The FY 1998 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), PE, and ILS for EAF procurement products.

The FY 1999 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), Flatrack service changes to accommodate positioning EAF assets on MPS, and PE and ILS for EAF procurement products.

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CLASSIFICATION:

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UNCLASSIFIED

	WEAPONS SYSTEM P-		ANALYSIS			Weapon Sys	stem							DATE: FEBRU	ARY 1998
	PRIATION/BUDGET ACTIVITY					ID Code		P-1 ITEM N	OMENCLATU	JRE/SUBHE	AD				
	Procurement, Navy														
BA3 - A	viation Support Equipment	1	 					EXPEDI	TIONARY	AIRFIELD	S	/ 43SE			
COST	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 1996 Unit Cost	Total Cost	Quantity	FY 1997 Unit Cost	Total Cost	Quantity	FY 1998 Unit Cost	Total Cost	Quantity	FY 1999 Unit Cost	Total Cost
SE010	Service Change Kits	А	\$11,154			\$5,435			\$1,193			\$1,207			\$4,997
	F71 / 2 AM-2 Mat F70 Tool Kit Flatrack M-21 Arresting Gear Revetment MOSLS		(\$9,596) (\$1,158) (\$400)	579 10 308 9	\$2.95 \$91.50 \$6.60 \$86.60	(\$1,708) (\$915) (\$2,033) (\$779)	5 8	\$95.00 \$89.70	(\$475) (\$718)	2	\$603.50	(\$1,207)	221	\$6.63 \$588.83	(\$1,464) (\$3,533)
TBD	M-31 Mobile Arresting Gear	В													
SE800	Integrated Logistics Support		\$3,317			\$244			\$196			\$10			\$12
SE830	Production Engineering		\$12,152			\$309			\$134			\$5			\$10
SE860	Acceptance Test & Evaluation		\$586												
	Various 1/ The amount reflected against this coreflects total prior year funding assocost elements no longer financed in beyond.														
			\$120,988			\$5,988			\$1,523			\$1,222			\$5,019

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P-1 SHOPPING LIST

ITEM NO.

CLASSIFICATION:

UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	TION SHEE	ΞT			DATE:			
				P-4	10				•	F	ebruary 199	8
APPROPRIATION/	BUDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCU	JREMENT, NA	VY/ BA	-3- Aviation	Support E	quipment			A	/C Rearmin	g Equipme	nt	
Program Element for	or Code B Items:						Other Related	Program Elem	nents			
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST												
(In Millions)	\$244.10		7.3	9.1	10.1	12.9	12.7	12.9	13.1	13.3	Cont.	Cont.

This program funds the procurement of common Armament Support Equipment (ASE) and Weapons Support Equipment (WSE) under the procurement and inventory control of the Naval Inventory Control Point (NAVICP) and the Naval Air Systems Command.

This budget line supports: (a) initial outfitting for all in-production weapons systems; (b) new Support Equipment (SE); and (c) elimination of the severe shortage of Armament Weapon Support Equipment (AWSE). These shortages prevent support of sustained operations and surge deployment of our CV Batttle groups.

Shipboard/Shorebased WSE is utilized by weapons departments to handle, transport, and maintain weapons. Examples of the equipment are the A/S32K-1D USMC Weapon Loader, Linkless Ammunition Loading System (LALS II), Common Detent Tester, A/E32K-3 RAMS, MHU-202/M Munitions Trailer, and the LALS Replenisher.

Shipboard/Shorebased ASE is utilized by squadrons and supporting activities to load and service aircraft weapons and guns.

The FY 1998 budget request provides for procurement of 47 LALS II units, and associated production engineering and acceptance test support. The FY 1999 budget request provides for procurement of 53 LALS II units, 2 HLU-196 D/E Bomb Hoists, 91 MHU-202/M Munitions Trailers, and associated production engineering and acceptance test support.

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CLASSIFICATION:

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PAGE NO. 1

CLASSIFICATION: UNCLASSIFIED **WEAPONS SYSTEM COST ANALYSIS** Weapon System P-5 DATE: February 1998 APPROPRIATION/BUDGET ACTIVITY ID Code P-1 ITEM NOMENCLATURE/SUBHEAD Other Procurement, Navy **BA-3 Aviation Support Equipment** A/C REARMING EQUIPMENT 43SH COST ELEMENT OF COST ID Prior FY 1996 FY 1997 FY 1998 FY 1999 CODE Code Years Total Cost Quantity Unit Cost Total Cost Quantity Unit Cost **Total Cost** Quantity Unit Cost **Total Cost** Quantity Unit Cost **Total Cost** SH004 Shipboard/Shorebase WSE LALS II Α 7,056 29 193.31 5,606 35 212.00 7,420 47 175.62 8,254 53 187.45 9,935 HLU-196D/E BOMB HOIST Α 3 71.66 215 MHU-202/M MUNITIONS TRAILER 71 9.39 667 5,084 Α A/532K-1D WEAPONS LOADER Α 19,829 SH830 Production Engineering 16,872 1,488 1,499 1,640 1,875 SH860 Acceptance Test and Evaluation 2,470 221 162 205 220 OTHER 192,767 244,078 7,315 9,081 10,099 12,912

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BUDGET PROCUREMEN	T HISTORY	AND PLA	NNING EXHIBIT (P-	5A)		Weapon System		A. DATE		
									February 19	98
B. APPROPRIATION/BUDGET ACT Other Procurement, Navy BA-3- Aviation Support E	y				c. P-1 ITEM NOMI				SUBHEAD	43SH
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SH004		, í								
LALS II FY-1997 FY-1998 FY-1999	35 47 53	212.00* 175.62* 187.45*	NAWC PT MUGU NAWC PT MUGU NAWC PT MUGU		FP/OPTION C/FFP FP/OPTION	WESTERN DESIGN TBD TBD	12/30/96 12/1/97 12/1/98	1/9/98 10/1/98 10/1/99	YES YES YES	
HLU-196D/E BOMB HOIST FY-1999	3	71.66	NAWCAD LKE		TBD	TBD	12/1/98	12/1/99	YES	
MHU-202/M MUNITIONS TRLR FY-1999	71	9.39	NAWCAD LKE		TBD	TBD	12/1/98	12/1/99	YES	

D. REMARKS

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^{*} FY-97 LALS II includes procurement of data rights for drawings and tooling; FY-99 included procurement of ancilliary equipment; (33) LALS II Replenishers. The aforementioned increased the average unit cost.

UNCLASSIFIED CLASSIFICATION:

Exhibit P-20, Requireme	ents Study		API	PROPRIATION/BU	IDGET ACTIVIT	ΓΥ		DATE:	
			ОТІ	HER PROCUREMEN	IT, NAVY/BA-3 A	AVIATION SUPPORT	EQUIPMENT	Feb	ruary 1998
P-1 ITEM NOMENCLATUR	E		Admin Le	eadtime (after Oct1):	Prod	Leadtime :		
LALS II				2 Months	1	10 M	lonths		
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		29	35	47	53	56	45	1 1 2002	1 1 2003
Unit Cost		193.31	212.00	175.62	187.45	168.63	194.36		
Total Cost		5.606	7,420	8.254	9.935	9,443	8.746		
Asset Dynamics		0,000	7,420	0,204	3,300	0,440	0,140		
Beginning Asset Position		3	5	34	69	116	169	225	
Deliveries from all prior year	r funding (FY-96 & PRIOR)	2	29	<u> </u>	- 55				
Deliveries from FY 1997 fun			_	35					
Deliveries from FY 1998 fun	•				47				
Deliveries from FY 1999 fun						53			
Deliveries from subsequent	years' funding						56	45	
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End oy Year Asset Positio		5	34	69	116	169	225	270	
Inventory Objective or Curre	ent Authorized Allowance	270	270	270	270	270	270	270	
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible	for	Aircraft:	
270	Expenditures	Usage		(Vehicles/Other)	<u> </u>	FY 1998 Replace	ement:	TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replace	ement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augment	t:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	

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Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BU	DGET ACTIVITY		DA	TE:	
			ОТІ	HER PROCUREMEN	T, NAVY/BA-3 AV	IATION SUPPORT E	QUIPMENT	Feb	ruary 1998
P-1 ITEM NOMENCLATUR	E		Admin Le	eadtime (after Oct1)	1	Prod	Leadtime :		
HLU-196D/E BOMB HOIS	ST			2 Months		12 N	onths		
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		1 1 1330	1 1 1337	1 1 1550	3	1 1 2000	100	130	130
Unit Cost					71.66		10.23	10.22	10.22
Total Cost					215		1,023	1,328	1,328
Asset Dynamics					210		1,020	1,020	1,020
Beginning Asset Position							3	3	103
Deliveries from all prior year	funding (FY-96 & PRIOR)						J	J	103
Deliveries from FY 1997 fun									
Deliveries from FY 1998 fun									
Deliveries from FY 1999 fun	<u> </u>					3	0		
Deliveries from subsequent						Ŭ	Ŭ	100	130
Other Gains	,							199	
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit	ions/etc.								
End of Year Asset Position	n					3	3	103	233
Inventory Objective or Curre	ent Authorized Allowance					700	700	700	700
Inventory Objective	Actual Training	Other than Trair	ning	Disposals		Vehicles Eligible	for	Aircraft:	
700	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac	ement:	TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac		TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augmen	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	

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Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BUI	DGET ACTIVIT	Y	DA	TE:	
			от	HER PROCUREMEN	IT, NAVY/BA-3 A	VIATION SUPPORT	EQUIPMENT	Feb	ruary 1998
P-1 ITEM NOMENCLATURE	3		Admin Le	eadtime (after Oct1):		Prod	Leadtime :		
MHU-202/MUNITIONS TR	RAILER			2 Months		12 N	lonths		
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					71	71	64	64	27
Unit Cost					9.39	9.39	9.40	9.40	9.6
Total Cost					667	667	602	602	260
Asset Dynamics									
Beginning Asset Position			316	391	407	407	478	549	613
Deliveries from all prior year	funding	316	75	16					
Deliveries from FY 1997 fund	ding								
Deliveries from FY 1998 fund	ding								
Deliveries from FY 1999 fund	ding					71			
Deliveries from subsequent	years' funding						71	64	64
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti									
End oy Year Asset Position		316	391	407	407	478	549	613	677
Inventory Objective or Curre		704	704	704	704	704	704	704	704
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:	
704	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replace		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replace		TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augment	:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

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FY 1998/99 BUDGET PRODUC	CTION	SCHI	EDUL	E, P-2	21													DATE			F	ebru	uary	199	98					
APPROPRIATION/BUDGET AC													Wea	apon	Sys	stem)	P-1	ITE	ΜN	OMI	ENC								
OTHER PROCUREMENT, N	AVY/E	3A-3	AVIA	TION	SUP	POI												<u> </u>					A/(C Re	arm	ing	Eqι	ıipm	ent	
							Pro	ducti	on F	Rate								nt Le												
			nufacti						_				T Pr			T Ai			nitia			eorc							it of	
Item		Name			n		SR	1-8	3-5	M	AX	to	Oct	1	(Oct	1	Mi	g Pl	_T	M	fg P	LT		Tota	<u> </u>	<u> </u>	Mea	asure	2
LALS II		I, Irvin	ie, CA	ı		2		185			8								11								<u> </u>	Мо		
HLU-196D/E Bomb Hoist	TBD					3		185			15								12								<u> </u>	Мо		
MHU-202/M Munition Trailer	Verva	al, Ft.	Walto	n Bch	, FL	3		185			20								12								<u> </u>	Мо		
																											<u> </u>			
	+	T							FIS	SCAL	YEAR	1997	,									FISO	CAL Y	EAR	1998					
ITEM / MANUFACTURER	F	S	Q	D	В		1996						CALE	NDAR	YEA	R 199	97						CA	LEND	AR YE	EAR 1	998			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	s	В
		С	Υ	L	L	С	0	E	Α	Е	Α	Р	Α	Ü	U	U	E	С	0	Е	Α	E	Α	Р	Α	Ü	U	U	E	A L
LALCH	05	N.	_	0	0	T	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	_
LALS II LALS II	95 96	N N	2 29	0	2 29	2	2	2	2	2	3	3	3	3	3	3	3													0
LALS II	97	N	35	0	35			A			3	3	3	3		3	5				4	4	4	4	4	4	4	4	3	0
LALS II	98	N	47	0	47															Α										47
MHU-202/M	95	N	91	0	91			7	7	7	7	7	8	8	8	8	8	8	8											0
	_	-																									-			
	-																													
										FISC	CAL YI	EAR ′										FISC		EAR						
ITEM / MANUFACTURER	F Y	S	Q	D	В		1998	I		I			CALE	NDAR	YEAI	R 199	99					1	CA	LEND	AR YE	EAR 2	000			В
	Y	V C	T Y	E L	A L	0	N	D	J	F	M	Α	M	J	J	A	S	0	N	D	J	F	M	Α	M	J	J	A	S	B A
				_		C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
LALS II	98	N	47	0	47	3	4	4	4	4	4	4	4	4	4	4	4													0
LALS II	99	N	53	0	53			Α										4	4	4	4	4	4	4	5	5	5	5	5	0
HLU-196/D/E	99	N	3	0	3			Α												3										0
MHU-202/M	99	N	71	0	71			Α												7	7	7	7	7	7	7	7	7	8	0
IVII 10 - 202/IVI	33	IN	/ '	0				_^												'	<u> </u>	<u>'</u>	<i>'</i>	-	'		-	'-	0	0
		1																												
			-	-																		i .							1	

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION/BU	DGET ACTIVI	TY					P-1 ITEM NO	MENCLATURI				
OTHER PROCUR	EMENT, NA	VY / BA	3 AVIATIO	N SUPPOR	T EQUIPME	NT	AIRCRAF	T LAUNCH	AND RECOV	ERY EQUIPN	IENT (ALRE)	- 43SJ
Program Element for 0	Code B Items:						Other Related	Program Elen	nents			
0603512N and	0604512N						NOT APP	LICABLE				
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST												
(In Millions)	\$402.9		\$14.8	\$28.3	\$29.0	\$39.7	\$39.3	\$39.2	\$36.8	\$42.1	CONTINUING	CONTINUING

This program provides for procurement of major aircraft launch, recovery, and Visual Landing Aids (VLA) equipment as well as ancillary items required for installation aboard aircraft carriers, air capable combatant vessels, amphibious assault ships, and shore stations. Most procurements are initiated due to one of the following reasons:

- (1) urgent fleet problems associated with the safe and reliable operation of existing equipment;
- (2) expanding responsibilities in support of helicopter operations on Air Capable Ships (ACS) and Vertical / Short Take-Off and Landing (V/STOL) aircraft, and;
- (3) the demand for increased launch and recovery equipment reliability, availability, and maintainability (RAM); capability; and margin of safety.

Shipboard installed items procured under this program are for operational fleet aircraft carriers, air capable combatant vessels, and amphibious assault ships. Major equipment and service changes procured in support of the Fleet Modernization Program (FMP) are generally installed by shippard personnel during routine or restricted availabilities and regular overhauls. Non-FMP installations include minor equipments and service changes that are installed by Alteration Installation Teams (AIT) or Voyage Repair Teams (VRT) from the Naval Aviation Depots (NADEPs) under the direction of Fleet Type Commanders and the Naval Air Warfare Center, Aircraft Division (NAWCAD), Lakehurst, NJ. Type Commanders determine shorebased installed item requirements.

The FY 1996 program consisted of the following service change procurements: catapult-CV(N), arresting gear-CV(N), VLA-CV(N), catapult and fire-fighting support equipment-CV(N), Integrated Launch and Recovery Television System (ILARTS)-CV(N), and VLA-ACS. Also, funding for Production Engineering (PE); Integrated Logistics Support (ILS); Acceptance Test and Evaluation (ATE); and FMP / NFMP installations for FY 1996 and prior years is included.

The FY 1997 program consists of the following service change procurements: catapult-CV(N) (one piece Flush Deck Nose Gear Launch and Low Loss Launch Valve), and Helicopter Landing Systems (HLS)-ACS; funding for AS/32P-25 Fire Trucks, PE, ILS, ATE, and FMP/NFMP installations for FY 1997 and prior years is included.

The FY 1998 program consists of the following service change procurements: catapult-CV(N) (improved C-13-2 MOD piston), arresting gear-CV(N), VLA-ACS, and catapult and fire-fighting support equipment-CV(N). Also, funding for Long Range Line-up System (LRLS), AS/32P-25 Fire Trucks, PE, ILS, ATE, and FMP/NFMP installations for FY 1998 and prior years is included.

The FY 1999 budget request consists of Aircraft Carrier (catapults, fire-fighting systems, arresting gear, and Visual Landing Aids) and Air Capable Ships (HLS) service change procurements. Also, included is funding for LRLS, Aviation Data Management and Control System / Integrated Shipboard Information System (ADMACS / ISIS), Improved Fresnel Lens Optical Landing System (IFLOLS), PE, ILS, ATE, and FMP/NFMP installations for FY 1999 and prior years.

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a									DATE: February 1998			
OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT							AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43S					
	ID.	Prior									То	, , , , , , , , , , , , , , , , , , ,
Procurement Items	Code	Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
SERVICE CHANGE KITS		122.0	2.1	3.8	10.1	5.8	8.6	16.3	19.1	24.5	CONTINUING	CONTINUING
LAUNCHER S/C KITS	Α											
QUANTITY												
COST (In Millions)		(4.5)	(1.2)	(2.3)	(6.3)	(3.2)	(6.7)	(11.8)	(14.9)	(14.0)	CONTINUING	CONTINUING
VLA S/C KITS	Α											
QUANTITY												
COST (In Millions)		(3.1)	(0.6)		(1.4)	(0.5)		(1.5)	(2.0)	(4.2)	CONTINUING	CONTINUING
RECOVERY S/C KITS	Α											
QUANTITY												
COST (In Millions)		(1.3)	(0.4)	(1.5)	(2.4)	(2.2)	(1.8)	(2.9)	(2.3)	(6.3)	CONTINUING	CONTINUING
Various 1/	A											
QUANTITY												
COST (In Millions)		\$142.0										\$142.0
Minor Equipment	Α	•										, ,
QUANTITY												
COST (In Millions)		\$1.8									CONTINUING	CONTINUING
LRLS - CV(N)	В	* -										
QUANTITY					6	5						11
COST (In Millions)					\$1.1	\$0.8						\$1.9
LRLS - Shore	В				·							
QUANTITY					5	5						10
COST (In Millions)					\$0.8	\$0.8						\$1.5
ADMACS-ISIS CV(N)	В											
QUANTITY						3	3	4				10
COST (In Millions)						\$4.5	\$4.5	\$6.0				\$15.0
ADMACS-ISIS Shore	В											
QUANTITY							1					1
COST (In Millions)							\$1.5					\$1.5
ADMACS-ISIS LHA/D	В											
QUANTITY									3	3	6	12
COST (In Millions)									\$3.0	\$3.0	\$6.0	\$12.0
IFLOLS - CV(N)	В											
QUANTITY						5	5					10
COST (In Millions)						\$4.5	\$4.5					\$9.0

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Bi	JDGET	TITEM JU	JSTIFICATION		FOR AGGR	EGATED IT	EMS		DATE:			
				P-40a						Februa	ary 1998	
APPROPRIATION/BUDGI	ET ACTI	VITY					P-1 ITEM NO	MENCLATURI				
OTHER PROCUREM	ENT, N	IAVY / B	A 3 AVIATIO	N SUPPOR	T EQUIPME	ENT	AIRCRA	FT LAUNCH	I AND RECO	OVERY EQU	JIPMENT (A	LRE) - 43SJ
	ID	Prior									То	_
Procurement Items	Code	Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
IFLOLS - Shore	В											
QUANTITY						5	7	7				19
COST (In Millions)						\$2.4	\$3.5	\$3.5				\$9.4
AS/32P-25 Fire Truck	Α											
QUANTITY				50	14							64
COST (In Millions)								\$11.3				
VISUAL												
QUANTITY	В								1	2	19	22
COST (In Millions)									\$1.5	\$3.0	\$28.5	\$33.0
ILS												
QUANTITY												
COST (In Millions)		\$21.6	\$0.7	\$0.6	\$2.6	\$2.1	\$0.9	\$1.4	\$1.1	\$0.9	CONTINUING	CONTINUING
PE		4 = c	4500	44.0	Ų	7 =	Ţ3.5	****	,	4 0.0		
QUANTITY												
COST (In Millions)		\$60.4	\$1.9	\$1.9	\$2.3	\$4.2	\$3.7	\$3.0	\$2.4	\$2.6	CONTINUING	CONTINUING
ATE												
QUANTITY												
COST (In Millions)		\$1.9	\$0.0	\$0.1	\$0.3	\$0.2	\$0.2	\$0.3	\$0.2	\$0.3	CONTINUING	CONTINUING
Installation - NFMP												
QUANTITY												
COST (In Millions)		\$45.9	\$8.2	\$9.0	\$7.8	\$6.6	\$6.6	\$4.5	\$5.5	\$5.5	CONTINUING	CONTINUING
Installation - FMP												
QUANTITY												
COST (In Millions)		\$7.3	\$1.9	\$4.1	\$1.4	\$7.8	\$5.4	\$4.3	\$3.9	\$2.3	CONTINUING	CONTINUING
1/ The amount identified aga	inst this c	ost element	reflects total price	or year funding								
associated with cost element	ents no lo	onger finance	ed in FY 1995 an	d beyond.								
T0711	\vdash	# 400 0	0440	#00.0	#CC C	#cc 7	#cc c	#cc c	#00 C	# 40.4	CONTINUES	CONITINUING
TOTAL		\$402.9	\$14.8	\$28.3	\$29.0 P-1 SHOPPI	\$39.7	\$39.3	\$39.2 CLASSIFICA	\$36.8	\$42.1	CONTINUING	CONTINUING

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM C P-5	OST A	NALYSIS			Weapon Sy	stem							DATE:	ary 1998
APPRO	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATUR	RE/SUBHEAD					1 CDI GC	ii y 1000
OTHER	PROCUREMENT, NAVY / BA 3 AVIA	TION 9	SUPPORT F	FQUIPMEN	IТ		AIRCRA	FT I AUNG	CH AND RE	COVERY F	QUIPMEN	T (ALRF) -	43S.I		
<u> </u>					•		7		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			. (/ (
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1996			FY 1997			FY 1998			FY 1999	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SJ040	Service Change Kits	А	121,965			2,135			3,849			10,127			5,796
	LAUNCHER Catapults - CV(N) Catapult Support Equipment - CV(N) VISUAL LANDING AIDS					(1,158)			(1,913) (400)			(2,864) (3,439)			(2,815 (356
	Visual Landing Aids - ACS Visual Landing Aids - CV(N) ILARTS - CV(N) Marking and Lighting WMIS					(609)						(1,175) (255)			(456)
	RECOVERY Arresting Gear - CV(N) Helicopter Landing System (HLS) - ACS					(368)			(1,136) (400)			(1,634) (760)			(336) (1,833)
SJ050 SJ210 SJ220 SJ230 SJ231	Various 1/ Minor Equipment (less than \$200K) LRLS - CV(N) LRLS - Shorebased ADMACS / ISIS - CV(N) ADMACS / ISIS - Shorebased	A B B B	141,958 1,828							6 5	178 153	1,069 765	5 5 3	153	830 765 4,500
SJ240	ADMACS / ISIS - LHA / LHD IFLOLS - CV(N) IFLOLS - Shorebased AS/32P-25 Fire Truck VISUAL	B B B A B					50	175	8,750	14	185	2,590	5 5	900 480	4,500 2,400
SJ830	Integrated Logistics Suppport Production Engineering Acceptance, Test & Evaluation		21,639 60,397 1,864			737 1,913 4			563 1,907 94			2,625 2,324 315			2,118 4,227 170
SJ900 SJ910	Installation - NFMP Installation - FMP		45,936 7,280			8,159 1,877			8,988 4,106			7,769 1,380			6,632 7,811
	The amount identified against this cost elem associated with cost elements no longer final.														
	<u>. </u>		402,867			14,825			28,257			28,964			39,749

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

PAGE NO.

UNCLASSIFIED

BUDGET PROCUREME	NT HISTO	RY AND P	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE	February 19	98
3. APPROPRIATION/BUDGET A OTHER PROCUREMENT, NA		IATION SUPI	PORT EQUIPMENT		C. P-1 ITEM NOM AIRCRAFT LAUNC	ENCLATURE H AND RECOVERY EQUIPMENT	(ALRE)	1	SUBHEAD 43	BSJ
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST '(000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SJ260 AS/32P-25 FY 1997	50	175	NAWCAD LKE	Not Applicable	Option to EMD* Contract (CPI)	The Entwistle Company Hudson, MA	4/97	5/98	Yes	N/A
SJ260 AS/32P-25 FY 1998	14	185	NAWCAD LKE	Not Applicable	Option to EMD* Contract (CPI)	The Entwistle Company Hudson, MA	12/97	3/99	Yes	N/A
SJ210 LRLS - CV(N) FY 1998	6	178	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	11/97	10/98	Yes	N/A
SJ210 LRLS - CV(N) FY 1999	5	166	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	11/98	10/99	Yes	N/A
SJ220 LRLS - Shorebased FY 1998	5	153	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	11/97	10/98	Yes	N/A
SJ220 LRLS - Shorebased FY 1999	5	153	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	11/98	10/99	Yes	N/A
SJ230 ISIS/ADMACS FY 1999	3	1,500	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	11/98	10/99	Yes	N/A
SJ240 IFLOLS - CV(N) FY 1999	5	900	NAWCAD LKE	Not Applicable	Project Order	NAWCAD IND Hughes Technical Services Indianapolis, IN	11/98	10/99	Yes	N/A
SJ250 IFLOLS - Shorebased FY 1999	5	480	NAWCAD LKE	Not Applicable	Project Order	NAWCAD IND Hughes Technical Services Indianapolis, IN	11/98	10/99	Yes	N/A

D. REMARKS

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^{*} Option to existing Engineering & Manufacturing Development (EMD) contract
** Options to current EMD contract

^{***} NAWCAD LKE will act as the systems integrator.

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UALI	MODIFIC	CATIO	N																		
MODELS OF SYSTEM AFFECTED:	VARIOUS	3					TYPE	MODIFI	ICATIO	ON:	VARI	OUS					MOD	DIFICATI	ON T	ITLE:	LAUN	CHER S/C	SUMN	IARY
DESCRIPTION/JUSTIFICATION:																								
Summary page of all Launcher Service Cha	anges																							
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT N	/ILESTO	NES:	NOT AF	PPLICA	ABLE																		
	OPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE FY 1994 & Prior															OTAL								
													_								QTY		_	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																							1	
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.116		0.172		0.001		0.009		0.051		0.159		0.517		0.275		0.413		0.161	CON	TINUING	CONT	INUING
INSTALLATION KITS	88	10.198	26	4.484	2227	1.158	266	2.313	123	6.303	20	3.171	13	6.715	43	11.829	36	14.859	87	14.024	CON	NTINUING	CONTI	NUING
INSTALLATION KITS NONRECURRING																								ĺ
EQUIPMENT																								1
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								1
TRAINING EQUIPMENT																								1
SUPPORT EQUIPMENT																								1
OTHER - PE		0.238		1.025		0.896		0.427		0.234		0.163		0.198		0.310		0.224		0.283		0.042	CONT	INUING
OTHER - ILS		0.149		0.263		0.417		0.100		0.159		0.086		0.079		0.135		0.125		0.075			CONT	INUING
OTHER - ATE				0.020		0.004		0.094		0.300						0.112		0.050		0.060			CONT	INUING
INTERIM CONTRACTOR SUPPORT																							1	Ī
INSTALL COST	*	18.475	*	12.975	10	4.855	1923	8.895	701	7.316	62	5.289	33	0.375	14	0.055	35	0.322	46	0.608	146	2.614	2970	61.779
TOTAL PROCUREMENT	88	29.060	26	18.767	2227	7.330	266	11.829	123	14.312	20	8.709	13	7.367	43	12.441	36	15.580	87	15.050	42	51.442	2970	191.887
										ITEM	130	Р	AGE	6				•		CLASS	IFICAT	ION: UNC	LASSI	FIED

CLASSIFICATION: UNCLASS	SIFIED																							
P3A (Continued)						INDIVIDU	JAL MO	DIFICATI	ON (Co	ntinued))													
MODELS OF SYSTEMS AFFE	CTED	: VAF	RIOUS					_ MC	DIFICA	ATION TI	TLE:	LAUN	CHEF	R S/C SI	JMM	ARY					-			
INSTALLATION INFORMATIO	N:																							
METHOD OF IMPLEMENTAT	ION:	VARIOUS	3																					
ADMINISTRATIVE LEADTIME	:	VARIOUS	6 Mon	ths			=	PRODU	CTION	LEADTII	ME:	VAR	IOUS	Month	s									
CONTRACT DATES:	FY 1	1997:		/ARIOUS				FY 1998	3:	VARIC				F١	/ 199		ARIO		_					
DELIVERY DATE:	LIVERY DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS (\$ in Millions) (\$ in																							
	(\$ in Millions)																							
Ocati	Cost: Prior Years FY 1995 FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003															T- 0	-	Tot	-1					
Cost:	Cost: Prior Years FY 1995 FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 Qty \$ Qty <td></td> <td>To Complete Qty \$</td> <td>Q</td> <td></td> <td>aı r</td>																To Complete Qty \$	Q		aı r				
INSTALLATION SUPPORT	st: Prior Years FY 1995 FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2000 Qty \$ Qty														ο.108	Continuing	_	ntinuing	Ф					
PRIOR YEARS	*	18.445	*	12.960	10	4.744	32	4.874	28	4.897	18	4.383		0.044		0.033		0.003		0.100	Continuing	_	ntinuing	
FY 1995 EQUIPMENT		10.443		12.900	10	4.744	26	3.521	20	4.037	10	4.303									Continuing	_	ntinuing	
FY 1996 EQUIPMENT							1765	0.108	451	0.740	10	0.060	1								Continuing	_	ntinuing	
FY 1997 EQUIPMENT							100	0.100	122	1.458	18	0.419	16	0.331	2		6	0.119	1		Continuing	_	ntinuing	
FY 1998 EQUIPMENT									100		16	0.230	5								Continuing	_	ntinuing	
FY 1999 EQUIPMENT													11		7						Continuing	_	ntinuing	
FY 2000 EQUIPMENT															5		7				Continuing	_	ntinuing	
FY 2001 EQUIPMENT																	22	0.140	11		Continuing	Co	ntinuing	
FY 2002 EQUIPMENT																			29		Continuing	Co	ntinuing	
FY 2003 EQUIPMENT																			5	0.500	Continuing	Co	ntinuing	
TO COMPLETE																					Continuing	_	ntinuing	
INSTALL COST	*	18.475	*	12.975	10	4.855	1923	8.895	701	7.316	62	5.289	33	0.375	14	0.055	35	0.322	46	0.608	Continuing	Co	ntinuing	
INICTALL ATION COLUEDIN	_																							
INSTALLATION SCHEDUL FY 1996		EV 4007		- FV	1000		EV 4	200		EV 2000			2004		ΓV	2002		EV 2002	,	TC				
& Prior	4	FY 1997 2 3	4	1 2	1998 3	4 1	<u>FY 1</u>	399 3	4	FY 2000 2 3	4	1 2	<u>2001</u> 3	۰ ااړ	<u>FY</u>	2002 3 4	1	FY 2003 2 3	<u>3</u> 4	TC	TOTAL			
In 469*	465		497	65 64		15 15	14	14 11	4	2 3 6 6	4	4 5		3 4	_	3 4 10 8	9	12 11		129	2970			
Out 10	407			500 66		67 12		18 16	8	8 10	7	3 2		4 2		15 11	9	10 13		146	2970			
Out 10	407	409 304	323	300 00	00	07 12	10	10 10		8 10		3 2	<u> </u>	4 2	-	10 11	9	10 13	14	140	2970			
* Various																								
																				Бо	۸			
1																				P-3	A			

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVID	DUALI	MODIFI	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	C7, C13-	0, C13-1 /	AND C	13-2 CA	TAPUL	TS	TYP	E MODIF	ICAT	ION:	SAFE	TY / PE	RFOF	RMANCE			MOE	DIFICATION	IT NC	TLE:	LAUI	NCH - CRI	TICAL UNIO	N NUT
DESCRIPTION/JUSTIFICATION:																								
Catapult Service Change 624 replaces the	existing ur	nion nuts	with a	n impro	ved de	esign tha	at dec	reases th	ne like	lihood of	catast	rophic fa	ilure.	,										
1																								
		= 0 = 0																						
DEVELOPMENT STATUS/MAJOR DEVELO	PMENI	MILESTC	INES:				NOI	APPLIC	ABLE	<u> </u>				=										
	FY 1994	& Prior	FY	′ 1995	FY	1996	F١	′ 1997	F١	Y 1998	FY	1999	F١	Y 2000	FY	2001	F١	2002	FY	2003		TC	TO.	TAL
	QTY	\$		\$	QTY					\$	QTY			\$		\$			QTY		QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.005																0.005
INSTALLATION KITS							52	0.250															52	0.250
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.095		0.031		0.015														0.141
OTHER - ILS						0.045		0.015																0.060
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
		1								0.040							4	0.440					= 0	4 000
INSTALL COST - Non-FMP									16	0.346	18	0.429	14	0.336			4	0.119					52	1.230

CLASSIFICATION: UNCLAS	SIFIEI	D																						
P3A (Continued)						INDIVIDU	IAL M	ODIFICAT	ΓΙΟΝ (Continue	d)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>C7,</u>	C13-0), C13-1 A	ND C1	3-2 CATA	APUL7	<u>r</u> s mo	DIFIC	ATION TI	TLE:	LAUNCH	H - CF	RITICAL U	NOIN	NUT					_			
INSTALLATION INFORMATION		DEBOT																						
METHOD OF IMPLEMENTAT ADMINISTRATIVE LEADTIME			Mor	othe			_	DDODI I	OTION	I LEADTIN	1 ⊑·	Ω	Mor	othe										
CONTRACT DATES:		1997:	IVIOI	4/30	/97			FY 1998		N/A			IVIOI		1999:		N/A							
DELIVERY DATE:		1997:		12/15				FY 1998		N/A					1999:		N/A		-					
										(\$ in M	lillion	2)							-					
Cost:	Dri	or Years	F	Y 1995	E\	/ 1996	F,	Y 1997	F۱	(\$ III W		Y 1999	l e	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
OUSI.	Qtv	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qtv	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	Qty	Ψ	Qıy	Ψ	Giy	Ψ	Qty	Ψ	Qty	0.010	Qty	0.010	Qty	0.005	Qıy	Ψ	Qty	Ψ	Qty	Ψ	Qıy	Ψ	Qty	0.025
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT									16	0.336	18	0.419	14	0.331			4	0.119					52	1.205
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP									16	0.346	18	0.429	14	0.336			4	0.119					52	1.230
INSTALLATION SCHEDUL	E:																							
FY 1996		FY 1997	,	FY	′ 1998		FY ·	1999		FY 2000		FY	2001		FY 2	2002		FY 2003		TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO	TAL		
In Out				4 7 2 5		7 7 4 5	7	7 6 5 4	4	4 4	2				4							52 52		
	J									<u> </u>] [•		-			. —				
																				P-3	3A			

CLASSIFICATION: UNCLASSIFIED P3A INDIVIDUAL MODIFICATION MODELS OF SYSTEM AFFECTED: TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH - IMPROVED CLOCK TIMER C13-0, C13-1 AND C13-2 CATAPULTS DESCRIPTION/JUSTIFICATION: Launcher Service Change No. 503 replaces the existing obsolete mechanical timer to improve system supportability, reliability, and compatibility. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE FY 1994 & Prior FY 1995 FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TC **TOTAL** QTY QTY \$ QTY QTY \$ QTY \$ QTY \$ QTY QTY \$ QTY \$ QTY \$ QTY FINANCIAL PLAN (IN MILLIONS) RDT&E PROCUREMENT INSTALLATION KITS (UNIT COST) 0.018 0.018 INSTALLATION KITS 53 0.965 53 0.965 INSTALLATION KITS NONRECURRING **EQUIPMENT EQUIPMENT NONRECURRING** ENGINEERING CHANGE ORDERS TRAINING EQUIPMENT SUPPORT EQUIPMENT OTHER - PE 0.048 0.015 0.015 0.015 0.093

OTHER - ILS

OTHER - ATE

INTERIM CONTRACTOR SUPPORT INSTALL COST - Non-FMP

TOTAL PROCUREMENT

0.039

0.030

1.082

53

0.020

0.020

0.015

0.070

0.020

0.015

0.050

13

0.058 | 25 | 0.070

0.073

15 0.043

 0.070
 0.043
 53
 1.388

 ITEM 130
 PAGE
 10
 CLASSIFICATION: UNCLASSIFIED

0.079

0.020

0.231

CLASSIFICATION: UNCLAS	SIFIED)																						
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	LION (Continue	d)													
MODELS OF SYSTEMS AFFE	ECTE	D: <u>C13</u>	-0, C1	3-1 AND	C13-2	CATAPUI	LTS	_ МО	DIFIC	ATION TI	TLE:	LAUNCH	H - IMI	PROVED	CLOC	K TIMER					_			
INSTALLATION INFORMATION METHOD OF IMPLEMENTAT		DEDOT																						
ADMINISTRATIVE LEADTIME			Mor	nths			-	PRODU	CTION	LEADTIN	ΛE·	20) Mor	nths										
CONTRACT DATES:	_	1997:	14101	N/A	-			FY 1998		N/A			10101		_ ′ 1999:		N/A							
DELIVERY DATE:		1997:		N/A				FY 1998		N/A					1999:		N/A		_					
										(\$ in M	lillions	3)												
Cost:	Pric	or Years	F	Y 1995	F	Y 1996	F'	Y 1997	F١	/ 1998	_	Y 1999	F	Y 2000	F'	Y 2001	F'	Y 2002	F'	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		0.030		0.015		0.015		0.015		0.008		0.005												0.088
PRIOR YEARS							13	0.043	25	0.062	15	0.038											53	0.143
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																		<u></u>						
TO COMPLETE																		<u></u>						
INSTALL COST - Non-FMP		0.030		0.015		0.015	13	0.058	25	0.070	15	0.043											53	0.231
INSTALLATION SCHEDUL																								
FY 1996		FY 1997			<u> 1998</u>			1 <u>999</u>		FY 2000			2001			2002		FY 2003		TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1_1_	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO			
In 4	5	6 6	6	6 6	6	6 2																3		
Out		2 5	6	6 6	6	7 4	4	4 3	l								<u> </u>				5	3		
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CLASSIFICATION: UNCLASSIFIED		INDUVID		MODIE	0 A T10																			
РЗА		INDIVIE	JUALI	MODIFI	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	C13-2 CA	TAPULT	S			_	TYP	E MODIF	ICAT	ION:	IMPR	OVED C	CAPAE	BILTY	_		MOD	IFICAT	ION T	ITLE:	LAUI	NCH - CSV	VERIF / CO	DNAMMC
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change 625 for the Capa	acity Selec	tor Valve	(CSV) elevate	es the	Central	Char	ning Pan	el (CC	P) opera	ator res	sponsibil	itv in t	the laun	ch sea	uence f	or Inte	arated (Catapi	ult Cont	trol Sv	stem (ICCS	S) ships.	
									•															
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT N	MILESTO	NES:				NOT	APPLIC	ABLE					-										
	FY 1994	& Prior	ΕV	′ 1995	′ 1996	/ 1997	ΕV	/ 1998	ΕV	1999	ΕV	Y 2000	ΕV	2001	F۷	2002	ΕV	2003		TC	TO	TAL		
	QTY	\$	QTY		QTY		QTY		QTY		QTY		QTY		QTY		QTY				QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.001																		0.001
INSTALLATION KITS					33	0.019																	33	0.019
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE																								
OTHER - ILS																								
OTHER - ATE																								
WITERIA CONTRACTOR CURRORT		1																						
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							15	0.112	10	0.743	8	0.062											33	0.917

CLASSIFICATION: UNCLAS	SIFIE)																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICAT	TION (Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>C13</u>	-2 CA	TAPULTS	3			МО	DIFIC	ATION TI	TLE:	LAUNCH	- CS	V VERIF	/ CON	IMAND					_			
INSTALLATION INFORMATIO																								
METHOD OF IMPLEMENTAT							_																	
ADMINISTRATIVE LEADTIME			Mo		_					I LEADTIN	ΛE:	3	Mor		_									
CONTRACT DATES:		1997:		N/A				FY 1998		N/A					1999:		N/A		_					
DELIVERY DATE:	FY '	1997:		N/A				FY 1998	:	N/A				FY	1999:	·	N/A		_					
										(\$ in !	Millior	ns)												
Cost:	Pric	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F'	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total .
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.004		0.003		0.002												0.009
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT							15	0.108	10	0.740	8	0.060											33	0.908
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							15	0.112	10	0.743	8	0.062											33	0.917
INSTALLATION SCHEDUL	F.																							
FY 1996		FY 1997	,	FY	′ 1998		FY	1999		FY 2000		FY	2001		FY	2002		FY 2003	3	TC				
& Prior	1	2 3	-	1 1	3	4 1		3 4	1	2 3			3	4 1		3 4	1 1	2 3			TO	TAL		
In 4	10	10 9		ऻ ─ं──		· — —		<u> </u>	۱Ė	<u> </u>		<u> </u>		· · · · · ·		<u> </u>	l					33		
Out	1	3 5	6	2 3	2	3 2	2	2 2													_	33		
																				P-:	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL	MODIFI	CATIO	ON																		
MODELS OF SYSTEM AFFECTED:	C7, C13-	0, C13-1 /	AND C	13-2 CA	TAPUL	.TS	TYPE	MODIF	FICAT	ION:	RELI	ABILITY	/ MAI	NTAINA	BILITY	,	MOD	IFICATION	IT NC	TLE:	LAUN	NCH - CRE	S WATER E	BRAKE
DESCRIPTION/JUSTIFICATION:																								
This Launcher Service Change replaces the	e existing s	steel wat	er bral	ke cylino	ders w	ith a Co	rrosior	Resista	ant Ste	eel / Mat	erial w	hich will	exten	d catapu	lt cylir	der life a	and re	duce ma	ainten	ance ma	ın-hou	rs.		
				·										·										
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT N	MILESTO	NES:				NOT	APPLIC	ABLE															
	EV 4004	۰. ۵.	_		_		-			V 4000	-				-	0004	_	, 0000		, 0000		T0	то.	TA1
	FY 1994 QTY	\$ Prior	QTY	<u>/ 1995</u> * \$	QTY	<u>/ 1996</u> \$	QTY	<u>' 1997</u> \$	QTY	<u>Y 1998</u> ′\$	QTY	<u>′ 1999</u> \$		<u>/ 2000</u> \$	QTY	\$ \$		<u>2002</u> \$		<u>2003</u> \$	QTY	<u>TC</u> \$	TO: QTY	<u>TAL</u> \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)																0.122		0.127		0.128		0.130		0.127
INSTALLATION KITS															15	1.830	25	3.174	58	7.430	6	0.780	104	13.214
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.048		0.035		0.057		0.023		0.023		0.023				0.209
OTHER - ILS														0.050		0.035								0.085
OTHER - ATE																0.065								0.065
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																0.020	8	0.020	32	0.020	64	0.040	104	0.100
TOTAL PROCUREMENT										0.048		0.035		0.107	15	1.973	25	3.217	58		6	0.820	104	13.673
	•	•								ITEM	130	P	AGE	14							CLAS	SSIFICATIO	ON: UNCLA	SSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	JAL M	IODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>C7,</u>	C13-	0, C13-1 <i>A</i>	AND C	13-2 CAT	APUL	<u>T</u> S MC	DIFIC	ATION TI	TLE:	LAUNC	H - CR	RES WATE	ER BR	AKE					-			
INSTALLATION INFORMATION																								
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD -	SHIP ALT	ERAT	ION	_																	
ADMINISTRATIVE LEADTIME	≣:	2	Mo	nths	_			PRODU	CTION	I LEADTII	ME:	10) Mor		_									
CONTRACT DATES:	FY	1997:		N/A				FY 1998	:	N/A	١			FY	1999:		N/A							
DELIVERY DATE:	FY	1997:		N/A		-		FY 1998	:	N/A	١			FY	1999:	: <u> </u>	N/A		_					
										(\$ in !	Millior	ns)												
Cost:	Pric	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F	Y 1998		Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete	1	Fotal
	Qtv	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qtv	\$	Qty	\$	Qty	\$	Qtv	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	,	Ť		•	1	,	1	T T	,	·		•	,	•	1	0.020	,	0.020	,	0.020	,	0.040	,	0.100
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																	8	*	7	*			15	*
FY 2002 EQUIPMENT																			25	*			25	*
FY 2003 EQUIPMENT																					58	*	58	*
TO COMPLETE																					6	*	6	*
INSTALL COST - Non-FMP																0.020	8	0.020	32	0.020	64	0.040	104	0.100
INSTALLATION SCHEDUL	г.																							
FY 1996		FY 1997	,	1	′ 1998		ΓV	1000	1 [FY 2000		ГУ	2001		ΓV	2002	1 [FY 2003	,	TC				
& Prior	1	2 3	-		199 <u>0</u>			1999 3 4	\prod_{1}	2 3			3	4 1	2	3 4	1	2 3	4	TC	TO	TAL		
In & Pilot	-		4	<u> </u>		4 1		3 4	╌				<u> </u>	4 1	5	5 5		5 5		69		04		
Out															5	4 4	8	8 8	8	64		04		
	J I			J L					J L			l L				4 4	0	0 0	0	04		04		
* Type Commander Funded	l instal	llation.																						
																				P-3	Α			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	CVN 68/7	72 CLASS	CATA	PULTS		_	TYPE	MODIF	ICAT	ION:	RELL	ABILITY	/ MAI	NTAINA	BILIT	<u> </u>	MOE	IFICATION	IT NC	TLE:	LAUN	ICH - TRO	UGH COVE	RS
DESCRIPTION/JUSTIFICATION:																								
This Launcher Service Change replaces the	e two piece	e steel tro	ough c	overs u	sed or	n CVNs	68 and	d 72 with	a Co	rrosion F	Resista	nt Steel	/ Mate	erial one	piece	Inconel	clad t	rough co	ver.	This is a	Туре	Commande	er funded in	stallation.
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	NES:				NOT	APPLIC	ABLE															
	<u>FY 1994</u> QTY		<u>FY</u> QTY	<u>/ 1995</u>	<u>FY</u> QTY	<u>′ 1996</u> \$	<u>FY</u> QTY	<u>′ 1997</u> \$	<u>F\</u> QTY	<u>Y 1998</u> ' \$	<u>FY</u> QTY	<u>′ 1999</u> \$	F) QTY	<u>′ 2000</u> \$		<u>′ 2001</u> \$	<u>F\</u> QTY	<u>′ 2002</u> \$	<u>FY</u> QTY	2003 \$	QTY	TC \$	TO ⁻ QTY	TAL \$
FINANCIAL PLAN (IN MILLIONS)	Q.1.	T	<u> </u>	Τ Ψ	<u> </u>	Ψ	T	Ψ	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Ψ	<u> </u>	Ψ	Q I I	Ψ	<u> </u>	Ψ	<u> </u>	Ψ	<u> </u>	Ψ
RDT&E																								
PROCUREMENT							1																	
INSTALLATION KITS (UNIT COST)		2.700								2.700				2.700		2.700		2.700				2.750		2.732
INSTALLATION KITS	2	5.400							1	2.700			2	5.400	1	2.700	3	8.100			16	44.000	25	68.300
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.002				0.002		0.002		0.002				0.032		0.040
OTHER - ILS																								
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP								0.015	2	3.914	1	0.015		0.022	1	0.034	2	0.034	1	0.034	18	0.280	25	4.348
TOTAL PROCUREMENT	2	5.400						0.015	1	6.616		0.015	2	5.424	1	2.736	3	8.136		0.034	16	44.312	25	72.688
	•	•				•				ITEM	130	P	AGE	16				•			CLAS	SIFICATIO	N: UNCLA	SSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	JAL M	IODIFICA [*]	TION ((Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>CVN</u>	N 68/7	2 CLASS	CATA	PULTS		_ MC	DIFIC	ATION TI	TLE:	LAUNCH	H - TR	OUGH CO	OVER	S					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD																					
ADMINISTRATIVE LEADTIMI	Ε:	3	Moi	nths				PRODU	CTION	I LEADTIN	ΛE:	16	Mor	nths										
CONTRACT DATES:	FY	1997:		N/A				FY 1998	:	De	c-97			FY	1999:		N/A	١	_					
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	Ap	r-99			FY	1999:		N/A	١	_					
										(\$ in !	Million	ns)												
Cost:	Pri	or Years	F	Y 1995	F'	Y 1996	F	Y 1997	F'	Υ 1998		Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete	1 -	Total
333	Qtv	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qty	\$	Qty		Qtv		Qty	\$	Qtv	\$
INSTALLATION SUPPORT						· ·		0.015	٦.,	0.045		0.015		0.022		0.034		0.034		0.034		0.280		0.479
PRIOR YEARS									2	3.869										-		0.200	2	3.869
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											1	*											1	*
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT															1	*	1	*					2	*
FY 2001 EQUIPMENT																	1	*					1	*
FY 2002 EQUIPMENT																			1	*	2	*	3	
FY 2003 EQUIPMENT																								
TO COMPLETE																					16	*	16	
INSTALL COST - Non-FMP								0.015	2	3.914	1	0.015		0.022	1	0.034	2	0.034	1	0.034	18	0.280	25	4.348
INCTALLATION COLIFOLI	F.																							
INSTALLATION SCHEDUL FY 1996		EV 1007	,		1998	<u>—</u> —	ΓV	1999	1	EV 2000		ΓV	2001		EV.	2002	1 -	FY 2003		TC		1		
& Prior	' ₁	FY 1997 2 3			3	4 1		3 4	\prod_{1}	FY 2000 2 3			3	4 1		3 4	1	2 3	4	<u>TC</u>	то	TAL		
In 2	+		- 4	 		4 1		1 4	-	2 3	4	1			1	3 4	ŀ⊢	1 1	1	16		25		
Out				1	1			' 1				'	'	1	'	1 1		' '	1	18		25		
				· — ·	•			<u> </u>				<u> </u>					·			ت ا	<u></u>			
* Type Commander Funded	d insta	llation.																						
1																								
																				P-3	3A			

P3A UNCLASSIFIED		INDIVI	NIAI.	MODIC	CATI	NI.																		
P3A		INDIVIL	JUAL	MODIFI	CATIC	JN																		
MODELS OF SYSTEM AFFECTED:	C13-2 CA	TAPULT				=	TYP	E MODIF	ICAT	ION:	RELL	ABILITY	/ MA	INTAINA	BILIT	Y	MOE	IFICATION	IT NC	ITLE:	LAU	NCH- IMPR	ROVED PIS	TON
DESCRIPTION/JUSTIFICATION:																								
This Launcher Service Change replaces ex installation.	risting C13	-2 catap	ult pist	ons with	an im	nproved	desig	n and tita	nium	material	which	extends	servi	ce life an	d dec	reases n	nainte	nance m	an-ho	ours. Thi	is is a	Type Com	mander fun	ded
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	ONES:				NOT	APLICAB	LE					_										
	FY 1994 QTY	& Prior		<u>/ 1995</u> ' \$		<u>/ 1996</u>		<u>Y 1997</u> \$	<u>F`</u> QTY	<u>Y 1998</u> ′\$	<u>FY</u> QTY	<u>′ 1999</u> \$		<u>Y 2000</u>		<u>′ 2001</u> \$		<u>′ 2002</u> \$		<u>/ 2003</u> \$	QTY	<u>TC</u>	<u>TO</u> QTY	TAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.429		0.430		0.433		0.430		0.467		0.490		0.493		0.442
INSTALLATION KITS									6	2.571	6	2.580	2	0.866	5	2.150	3	1.400	2	0.980	1	0.493	25	11.040
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.065		0.065		0.044		0.064		0.069		0.010		0.010		0.010		0.337
OTHER - ILS								0.045		0.045		0.030		0.018										0.138
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											6	*	6	*	2	*	5	*	3	*	3	*	25	*
TOTAL PROCUREMENT								0.110	6	2 681	6	2 654	2	0 948	5	2 219	3	1 410	2	0.990	1	0.503	25	11 515

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^{*} This is an Organizational Maintenance item with no associated FMP or NFMP installation costs.

CLASSIFICATION: UNCLAS	SIFIEI)																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>C13</u>	-2 CA	TAPULT				_ MC	DIFIC	CATION TI	TLE:	LAUNC	H- IMF	PROVED	PISTO	N					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	"O" LEV	EL M	AINTENA	NCE																			
ADMINISTRATIVE LEADTIME	≣:	3	Mor	nths				PRODU	CTION	N LEADTI	ME:	18	3 Mor	nths										
CONTRACT DATES:	FY	1997:		N/A	_			FY 1998	3:	De	ec-97			FY	_ 1999:		De	ec-98						
DELIVERY DATE:	FY	1997:		N/A				FY 1998	3:	Ju	ın-98			FY	′ 1999:		Ju	n-99	_					
										(\$ in	Millior) ()												
Cost:	Dri	or Years	F	Y 1995	l F	Y 1996	TF	Y 1997	F	Y 1998		Y 1999	F	Y 2000	F'	Y 2001	T =	Y 2002	F	Y 2003	To C	omplete	T 7	Γotal
Cost.	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qty	\$	Qty		Qty	\$
INSTALLATION SUPPORT	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ
PRIOR YEARS															+ +		1						\vdash	
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											6	*											6	*
FY 1999 EQUIPMENT													6	*									6	*
FY 2000 EQUIPMENT															2	*							2	*
FY 2001 EQUIPMENT																	5	*					5	*
FY 2002 EQUIPMENT																			3	*			3	*
FY 2003 EQUIPMENT																					2	*	2	*
TO COMPLETE																					1	*	1	*
INSTALL COST - Non-FMP											6	*	6	*	2	*	5	*	3	*	3	*	25	*
INSTALLATION SCHEDUL	c .																							
FY 1996		FY 1997	7	FV	′ 1998	\neg \vdash	ΕV	1999	1	FY 2000	`	FV	2001		FV '	2002	1 [FY 2003	2	TC				
& Prior	Ή ₁	2 3		1		4 1	2	3 4	11	2 3	4	1 2		4 1	2	3 4	1	2 3		10	ТО	TAL		
In a lateral	ऻ ⊢॑			 ' - '		-	2	2 1	1 1	2 2	- 	1 1		<u> </u>	2	$\frac{3}{2}$	1 1	2		3		25		
Out						- 11 '	2	2 2		2 2	2		1	1 '	1	2 2	Ш.	1 2		3		25		
This is an Organization	al Mai	ntenance	item v	with no as	sociate	ed FMP o	r NFM	P installat	ion co	sts.														
																				P-:	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	DUAL	MODIFIC	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	C7, C13-	0, C13-1 /	AND C	13-2 CAT	TAPUL	.TS	TYPI	E MODIF	ICAT	ION:	RELI	ABILITY	/ MAI	NTAINAI	3ILIT\	,	MOD	IFICATION	IT NC	TLE:	LAUN	ICH - LLLV	O/H KITS	
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change 629 upgrades the	e existina	Low Loss	s Laur	ch Valv	es (LL	LV) to a	new	configura	tion to	o improv	e relial	oility and	main	tainabilit	/: exte	end servi	ice life	e, and re	duce r	nainten	ance m	nan-hours.		
					(,,			-,						
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	NES:				NOT	APPLIC	ABLE															
	FY 1994			′ 199 <u>5</u>		′ 1996		′ 1997		Y 1998		1999		<u> 2000</u>		2001		2002		2003		TC	<u>TO </u>	TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.101		0.114		0.114		0.118				0.120						0.130		0.118
INSTALLATION KITS					2	0.202	8	0.910	2	0.228	2	0.235			10	1.200					4	0.520	28	3.295
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE				0.045		0.059		0.015		0.010		0.010		0.010		0.015		0.010						0.174
OTHER - ILS						0.010																		0.010
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											2	*	2	*	2	*	2	*	1	*	19	*	28	*
TOTAL PROCUREMENT				0.045	2	0.271	8	0.925	2	0.238	2	0.245		0.010	10	1.215		0.010			4	0.520	28	3.479
										ITEM	130	P	AGE	20							CLAS	SIFICATIO	N: UNCLA	SSIFIED

^{*} Installation accomplished during Depot Maintenance with no associated NFMP or FMP costs.

CLASSIFICATION: UNCLAS	SIFIEI	D																						
P3A (Continued)						INDIVID	DUAL N	IODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFFE	ECTE	D: <u>C7,</u>	C13-	0, C13-1 A	AND C	13-2 CA	TAPUL	<u>T</u> S MC	DIFIC	CATION TI	TLE:	LAUNCI	H - LLI	LV O/H K	ITS						_			
INSTALLATION INFORMATIO	ON:																							
METHOD OF IMPLEMENTAT	ION:	DEPOT																						
ADMINISTRATIVE LEADTIME	≣:	- 3	3 Mo	nths				PRODU	CTION	N LEADTII	ME:	6	6 Mor	nths										
CONTRACT DATES:	FY	1997:		N/A	_			FY 1998	3:	N/A	Ą			FY	1999:		1	2/15/99						
DELIVERY DATE:	FY	1997:		N/A				FY 1998	3:	N/A	4			FY	1999:			6/30/00	_					
										(\$ in	Millior	ns)												
Cost:	Pri	or Years	T F	Y 1995	l F	Y 1996	l F	Y 1997	l F	Y 1998	_	Y 1999	F	Y 2000	F	Y 2001	l F	Y 2002	F	Y 2003	To C	omplete	1 7	otal
3661.	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	Qty	Ψ	Qty	Ψ	Q.y	Ψ	Giy	Ψ	Qty	Ψ	Qty	Ψ	Qıy	Ψ	Qıy	Ψ	Qty	Ψ	Qty	Ψ.	Qiy	Ψ	Qty	Ψ
PRIOR YEARS			1																					
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT											2	*											2	*
FY 1997 EQUIPMENT													2	*	2	*	2	*	1	*	1	*	8	*
FY 1998 EQUIPMENT																					2	*	2	*
FY 1999 EQUIPMENT																					2	*	2	*
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																					10	*	10	*
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																					4	*	4	*
INSTALL COST - Non-FMP											2	*	2	*	2	*	2	*	1	*	19	*	28	*
INSTALLATION SCHEDUL	E.																							
FY 1996		FY 1997	7	F\	1998		FV	1999	1	FY 2000	1	FV	2001	-	FV ·	2002	1	FY 2003	2	TC				
& Prior	Ή ₁	2 3	-	1 2		4	1 2	3 4	1	2 3	4	1 2		4 1		3 4	\prod_{1}	2 3	<u>.</u> 4	<u> 10</u>	TO	TAL		
In	╁					1	1 1	1 1	1	1 1	- 	1 1	- - 3	1 1		$\frac{3}{1}$ $\frac{4}{1}$	╂┼	1 1		4		28		
Out						<u>'</u>	· ·	2		2			2			2		1		19		28		
* Installation accomplishe	ad dur	ina Donot	Main	tonance v	vith no	accocia	tod NEI	AD or EME	one+															
mstaliation accomplishe	c u uul	ing Depot	iviali	nenance v	vitii 110	assucia	ICU INFI	VIF UI FIVIF	COSIS	.														
																				P-:	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	DUAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	CV(N) CA	ATAPULT	S			_	TYPE	E MODII	FICAT	ION:	RELIA	BILITY	/ MAI	NTAINIE	BILITY		MOD	IFICATION	IT NC	TLE:	LAU	NCH - HAR	DENED SH	IUTTLE
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change replaces the exis	etina chuttl	le with a	lacar k	ardene	d shut	tle to im	nrove	durahilit	v relis	hility a	nd main	tainahili	itv											
Lauricher Gervice Griange replaces the exis	surig sirutu	ie with a	iasei i	larderie	u Silut	tie to iii	ipiove	uurabiiii	y, rene	ability, ai	iu iiiaii	taniabili	ıty.											
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT N	MILESTO	NES:				NOT	APPLIC	ABLE															
	FY 1994	& Prior	F١	/ 1995	FY	′ 1996	FY	′ 1997	F١	/ 1998	FY	1999	F١	2000	FY	2001	FY	2002	FY	2003		TC	TO.	TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)																0.437		0.437					,	0.437
INSTALLATION KITS															7	3.059	5	2.185					12	5.244
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																							1	
EQUIPMENT NONRECURRING																							1	
ENGINEERING CHANGE ORDERS																								
DATA																							1	
TRAINING EQUIPMENT																							1	
SUPPORT EQUIPMENT																							1	
OTHER - PE																0.024		0.079		0.020			1	0.123
OTHER - ILS																							1	
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																0.001	3	0.001	4	0.004	5	* 0.004	12	0.010
TOTAL PROCUREMENT															7	3.084	5	2.265		0.024		0.004	12	5.377
	•	•		•	•	•		-	•	ITEM	130	P	AGE	22	2	•					CLA	SSIFICATION	ON: UNCLA	SSIFIED

^{*} Type Commander funded installation.

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	JAL M	IODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>CV(</u>	N) CA	TAPULTS	S			_ MC	DIFIC	CATION TI	ITLE:	LAUNC	H - HA	RDENED	SHU	ΓTLE					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	VOYAG	E REI	PAIR TEA	M - VF	RT																		
ADMINISTRATIVE LEADTIM	E:	3	Moi	nths				PRODU	CTION	N LEADTI	ME:	(6 Mor	nths	_									
CONTRACT DATES:	FY	1997:		N/A				FY 1998	3:	N/A	4			FY	1999:		N/A	١	_					
DELIVERY DATE:	FY	1997:		N/A				FY 1998	3:	N/A	4			FY	1999:		N/A	١	_					
										(\$ in	Millior	ns)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	l F	Y 1997	l F	Υ 1998		Y 1999	F	Y 2000	F	Y 2001	l F	Y 2002	F	Y 2003	To C	omplete	-	Total
000	Qtv	\$	Qty		Qty	\$	Qty		Qty	\$	Qty	\$	Qty		Qty	\$	Qty		Qtv		Qty	\$	Qtv	\$
INSTALLATION SUPPORT						*		Ť		*				*		0.001		0.001		0.004		0.004		0.010
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																	3	*	4	*			7	
FY 2002 EQUIPMENT																					5	*	5	*
FY 2003 EQUIPMENT																								*
TO COMPLETE																								
INSTALL COST - Non-FMP																0.001	3	0.001	4	0.004	5	0.004	12	0.010
	_																							
INSTALLATION SCHEDUL		E)/ 4003	,	1	(4000			1000	1	E)/ 000/						2000	1	E)/ 0000		ITO				
FY 1996		FY 1997			<u>′ 1998</u>			1999	Ш.	FY 2000			2001			2002	Ш.,	FY 2003		TC		T 4.1		
& Prior	1	2 3	4	1 2	3	4 1		3 4	1	2 3	4	1 2	3	4 1	- <u>2</u> 1	$\frac{3}{2} \frac{4}{2}$	2	2 3	4	+		TAL		
In															1			2 2				12		
Out	J L			J L					J L			<u> </u>				1 2] []	1 1	1	5		12		
* Type Commander funded	install	ation.																						
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																								
																				P-3	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVIE	DUAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	CV(N) CA	ATAPULT	S			_	TYPI	E MODII	FICAT	ION:	RELIA	ABILITY	/ MAI	NTAINA	BILITY	,	MOD	IFICATI	ON TI	TLE:	LAUN	NCH - TRO	OUGH COVE	ER BOLT
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change redesigns the tro	uah cover	support	har ho	alt to imi	nrove	reliahilit	v and	maintain	ahility															
Laurioner Service Sharige reaesigns the tre	agii covci	Support	Dai Di	on to min	piove	Chabin	y and i	maintair	iability	•														
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	ONES:				NOT	APPLIC	CABLE															
														='										
	FY 1994			<u> 1995</u>		<u> 1996</u>		1997		<u>/ 1998</u>		1999		2000		2001		2002		2003		TC		TAL
	QTY	\$	QTY	′\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																							1	
PROCUREMENT																							1	
INSTALLATION KITS (UNIT COST)																				0.250			1	0.250
INSTALLATION KITS																			12	3.000			12	3.000
INSTALLATION KITS NONRECURRING																							1	
EQUIPMENT																							1	
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE																				0.030			1	0.030
OTHER - ILS																							1	
OTHER - ATE																							1	
INTERIM CONTRACTOR SUPPORT																							1	
INSTALL COST - Non-FMP																					12	*	12	*
TOTAL PROCUREMENT																			12	3.030			12	3.030
		-								ITEM	130	Р	AGE	2	4						CLAS	SSIFICATI	ON: UNCLA	ASSIFIED

^{*} Type Commander funded installation.

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	JAL M	IODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>CV(</u>	N) CA	TAPULTS	3			_ MC	DIFIC	ATION TI	TLE:	LAUNC	H - TR	OUGH C	OVER	BOLT					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	VOYAG	E REI	PAIR TEA	M - VR	RT																		
ADMINISTRATIVE LEADTIME			Moi				_	PRODU	CTION	N LEADTII	ME:	(6 Mor		_									
CONTRACT DATES:		1997:		N/A				FY 1998	:	N/A					1999:		N/A		_					
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	N/A	4			FY	1999:		N/A	١	_					
										(\$ in	Million	ns)												
Cost:	Pri	or Years	F	Y 1995	F'	Y 1996	F	Y 1997	F	Y 1998		Y 1999	T F	Y 2000	F'	Y 2001	l F	Y 2002	F	Y 2003	To C	omplete	1	Total
333	Qtv	\$	Qty		Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qtv	\$	Qty	\$	Qtv	\$
INSTALLATION SUPPORT				*				Ť				*		*		*		*				<u> </u>	,	Ť
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																					12	*	12	*
TO COMPLETE																								
INSTALL COST - Non-FMP																					12	*	12	*
INOTALL ATION COLIFOLI	_																							
INSTALLATION SCHEDUL		E)/ 4003	,	I	1 1 0 0 0			1000	1	E\/ 0000					- FV	2000	1	E)/ 000/		ILEO				
FY 1996) ₁	FY 1997 2 3			<u>1998</u> 3	4 1		1999 3 4	_	FY 2000 2 3			2001	4 1		2 <u>002</u> 3 4	\prod_{1}	FY 2003 2 3		TC				
& Prior	1 1		4	1 2	3_	4 1		3 4	╂┸	2 3	4	 		4 1		3 4	41-1		4	12		TAL 2		
In Out																				12		2		
Out	1			J L					J L] [12	<u> </u>	2		
* Type Commander funded	install	lation.																						
]																								
																				P-	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVIE	DUALI	MODIFIC	CATIO	N																		
MODELS OF SYSTEM AFFECTED:	C7, C13-	0, C13-1 /	AND C1	13-2 CAT	APUL	TS	TYPI	E MODIF	ICAT	ION:	REPL	ACEME	NT				MOD	IFICATI	ON TI	TLE:	LAUN	ICH - LLLV	/ REPLACE	MENT
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change 629 procured ne	wlowlos	ss Launcl	h Valve	es (III)	/) to sa	atisfy fle	et rea	uirement	s															
Laurioner der vied driange des produces no	torici octivice change ozo produce new zow zoso zaulich valves (ELEV) to sausty lieet requ																							
DEVELOPMENT CTATUCIAN IOD DEVELO		ALL ECTO	NEC.				NOT	ADDIJO	4 D. F															
DEVELOPMENT STATUS/MAJOR DEVELO	PIVIENT	VIILESIC	INE2:				NOT	APPLIC	ABLE															
	ELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>NOT A</u> FY 1994 & Prior FY 1995 FY 1996 FY 1														EV	2001	ΕV	2002	EV	2003		<u>TC</u>	TO	TAL
				<u>/ 1998</u> \$	QTY	<u>1999</u> \$		<u>′ 2000</u> \$				\$		\$	QTY	\$	QTY	\$						
FINANCIAL PLAN (IN MILLIONS)																						-		
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.288																0.300		0.294
INSTALLATION KITS					2	0.576															2	0.600	4	1.176
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.127		0.036		0.036		0.025		0.015		0.015								0.254
OTHER - ILS						0.080																		0.080
OTHER - ATE								0.090		0.300														0.390
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP			1		1				1	*	1		1	*	1						2	*	4	*
TOTAL PROCUREMENT					2	0.783		0.126		0.336		0.025		0.015		0.015					2	0.600	4	1.900
	•	•			•					ITEM	130	P	AGE	26	i						CLAS	SIFICATION	ON: UNCLA	ASSIFIED

^{*} Depot Maintenance item.

CLASSIFICATION: UNCLAS	SIFIEI	D																						
P3A (Continued)						INDIVIDU	JAL N	IODIFICA [*]	TION	(Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>C7,</u>	C13-	0, C13-1 A	AND C	13-2 CAT	APUL	<u>т</u> ѕ мс	DIFIC	CATION T	ITLE:	LAUNC	H - LLI	LV REPL	ACEM	ENT					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	DEPOT																						
ADMINISTRATIVE LEADTIME			Мо		_			PRODU	CTION	N LEADTI	ME:	1	7 Mor		_									
CONTRACT DATES:		1997:		N/A				FY 1998		N/A					1999:		N/A		_					
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	N/A	4			FY	1999:		N/A	4	_					
										(\$ in	Millior	ns)												
Cost:	Pri	or Years	l F	Y 1995	F	Y 1996	l F	Y 1997	F	Y 1998		Y 1999	F	Y 2000	F.	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qtv	\$	Qty		Qty	\$	Qty		Qty	\$	Qty	\$	Qty		Qty	\$	Qty		Qtv	\$	Qty	\$	Qtv	\$
INSTALLATION SUPPORT		T		T		,			,	•	,	,		,	1,	*	1	i i				,	,	
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT									1	*			1	*									2	*
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																					2	*	2	
INSTALL COST - Non-FMP									1	*			1	*							2	*	4	*
INOTALLATION COLIFOLI	_																							
INSTALLATION SCHEDUL		E)/ 4003	,		(4000			1000	1	E\/ 000/					EV.	2000	1	EV 000		ITO				
FY 1996	` ₁	FY 1997 2 3			<u>′ 1998</u> 3			1999 3 4	_	FY 2000 2 3			2001			2002 3 4	\prod_{1}	FY 2003 2 3		TC		- ^ 1		
& Prior	1 1		4	1 -2	_ 3	4 1		3 4	1		_ 4	 		4 1		3 4	41-1		_ 4	2		TAL 4		
In Out					1				4											2		4		
Cut	J			J <u>L</u>	-				<u> </u>			l L					J ∟				L	4		
* Depot Maintenance iten	٦.																							
																				P-	3A			

P3A		INDIVID	UAL I	MODIFI	CATIO	N																		
MODELS OF SYSTEM AFFECTED:	CVN CAT	TAPULTS					TYP	E MODIF	ICATI	ION:	MAIN	TENANO	CE/S	SAFETY			MOD	IFICATI	ON TI	ITLE:	LAUI	NCH - ONE	PIECE FDI	NGL COVER
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change 424 for the CVN catapult effluents and other contaminants.	72 class	replaces	the cu	rrent th	ree pie	ce Flusi	h Dec	k Nose G	iear L	aunch (F	DNGL) trough	cover	with a r	nainte	nance ir	mprove	ed laund	ch cove	er that p	rotects	the launch	ı valve area	from
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT N	MILESTO	NES:				NOT	APLLIC	ABLE					_										
	<u>FY 1994</u> QTY	& Prior \$		<u>′ 1995</u> \$	<u>FY</u> QTY	<u>1996</u> \$		<u>′ 1997</u> \$	<u>FY</u> QTY	<u>′ 1998</u> \$	<u>FY</u> QTY	1999 \$		<u>′ 2000</u> \$		<u>2001</u>	<u>FY</u> QTY	<u>2002</u> \$		<u>/ 2003</u> \$	QTY	TC \$	QTY	OTAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.200						0.200		0.200				0.200								0.210		0.202
INSTALLATION KITS	8	1.600					2	0.400	2	0.400			1	0.200							3	0.630	16	3.230
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.060						0.016		0.016		0.016		0.016										0.124
OTHER - ILS																								
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP						0.006	8	0.919	2	0.245	2	0.240									4	0.621	16	2.031

CLASSIFICATION: UNCLASS	SIFIED)																						
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	TION ((Continue	d)													
MODELS OF SYSTEMS AFFE	CTE	D: <u>CVN</u>	I CAT	APULTS				MO	DIFIC	ATION TI	TLE:	LAUNCH	10 - H	NE PIECE	FDNC	L COVER	3				_			
INSTALLATION INFORMATIO																								
METHOD OF IMPLEMENTAT							_																	
ADMINISTRATIVE LEADTIME	_		Mor		_					N LEADTIN		12	Mor		_									
CONTRACT DATES:		1997:		Apr-97				FY 1998			c-98				1999:			c-99	-					
DELIVERY DATE:	FY 1	1997:		Apr-98				FY 1998	:	De	c-99			FY	1999:		De	c-00	-					
										(\$ in 1	Million	ıs)												
Cost:	Pric	or Years	l F	Y 1995	F	Y 1996	F	Y 1997	F	Y 1998		Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F'	Y 2003	To C	omplete	Т	otal
	Qty	\$	Qty		Qty	\$	Qty		Qty	\$	Qty		Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT				·		0.006		0.018		0.021		0.010												0.055
PRIOR YEARS							8	0.901															8	0.901
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT									2	0.224													2	0.224
FY 1998 EQUIPMENT											2	0.230											2	0.230
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																					1	0.121	1	0.121
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																					3	0.500	3	0.500
INSTALL COST - Non-FMP						0.006	8	0.919	2	0.245	2	0.240									4	0.621	16	2.031
INSTALLATION SCHEDUL	c .																							
FY 1996		FY 1997		FV	1998		FV	1999	1	FY 2000		FV	2001	$\neg \vdash$	FV	2002	1 [FY 2003		TC				
& Prior	1	2 3			3	4 1		3 4	1	2 3	4		3	4 1		3 4	1	2 3		10	TO	TAL		
In 8				1 1		1	1				-									4	1	6		
Out		1 3	4		1	1		1 1												4	1	6		
				•				•						-		•		•		-				
																				P-3	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL	MODIFI	CATIO	ON																		
MODELS OF SYSTEM AFFECTED:	C13-0 AN	ND C13-1	CATAI	PULTS			TYPI	E MODIF	FICAT	ION:	MAIN	ITAINAE	BILITY				MOD	IFICAT	ION TI	TLE:	LAUN	NCH - INC	ONEL BOLT	ΓS
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change 624 incorporates	s Corrosio	n Resista	nt Ste	el / mate	erial te	chnolog	gy by r	eplacing	the e	xisting st	teel ret	tainer ba	r bolts	with Inc	onel b	olts.								
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	NES:				NOT	APPLIC	ABLE					_										
	FY 1994			1995		<u>′ 1996</u>		<u>′ 1997</u>		<u>/ 1998</u>		<u>′ 1999</u>		/ 2000		2001		2002		2003		TC _		TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.028		0.030		0.031										0.030
INSTALLATION KITS									**12	0.339	**12	0.356	**8	0.249									** 32	0.944
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.027		0.013		0.013										0.053
OTHER - ILS										0.035														0.035
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP										0.002	** 7	0.002	**10	0.002	**9	*	**6	*					**32	0.006
TOTAL PROCUREMENT									**12	0.403	**12	0.371	**8	0.264									**32	1.038
Organizational level mainten	ance repla	acement i	item.							ITEM	130	Р	AGE	30)						CLAS	SSIFICAT	ION: UNCL	ASSIFIED
** Catapult sets of 1,000 bolts	per catapu	ult.																						

CLASSIFICATION: UNCLAS P3A (Continued)	SIFIE	ט				INDIVIDU	JAL M	ODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: C13	-0.44	ND C13-1	CATAB	OT II IO		MC	יטובוכ	· ·ATION TI	TI E	LAUNCH	- INI	ONEL B	אן דפ									
IMODELS OF STSTEMS AFF	ECIE	D. <u>C13</u>	-U AIN	ND C 13-1	CATAR	ULIS		_ IVIC	יטורוכ	ATION II	ILE.	LAUNCE	1 - IIN	JONEL B	JLIS						_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	TON:	SHIPS F	ORC	Ε			_																	
ADMINISTRATIVE LEADTIM	E:	4	- Mo	nths			_	PRODU	CTION	N LEADTII	ME:	7	Mor	nths										
CONTRACT DATES:	FY	1997:		N/A	_			FY 1998	:	1/1	5/98			FY	1999:		1/1	5/99						
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	8/1	5/98			FY	1999:		8/1	5/99						
										(\$ in I	Millior	ne)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F	Υ 1998		Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete	-	Total
	Qtv	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qtv	\$	Qty	\$	Qty	\$	Qty	\$	Qtv	\$	Qty	\$	Qtv	\$
INSTALLATION SUPPORT	1			Ť		<u> </u>		*		0.002		0.002		0.002		*		Ť		Ť				0.006
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											**7	*	**5	*									** 12	*
FY 1999 EQUIPMENT													**5	*	**7	*							** 12	*
FY 2000 EQUIPMENT															**2	*	** 6	*					** 8	*
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP										0.002	**7	0.002	**10	0.002	** 9	*	** 6	*					** 32	0.006
INSTALLATION SCHEDUL	F.																							
FY 1996		FY 1997	7		′ 1998	$\neg \vdash$	EV	1999	1 -	FY 2000		EV	2001		EV	2002	1	FY 2003)	TC				
& Prior	'll <u> </u>	2 3			3	4 1	2		4		4	1 2	3	4 1		3 4	1	2 3		10	TO	TAL		
In **			- 4	 		1 2		3 4		3 3	2			2 2		3 4	ŀ⊢		- 4	\vdash	** 3			
Out **						' -	2	2 3		2 2	3	3 2	2	2 2		2					** 3			
	J			1								<u> </u>					ı					<i>-</i>		
* Organizational level ma	aintena	ance repla	ceme	ent item.																				
** Catapult sets of 1,000	bolts p	er catapu	lt.																					
I																				D .	2 /			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	DUALI	MODIFIC	CATIO	N																		
MODELS OF SYSTEM AFFECTED:	C7, C13-0	0, C13-1 <i>F</i>	AND C1	3-2 CAT	APULTS	S	TYPE	MODIFI	CATIO	ON:	RETR	OFIT C	APAB	ILITY			MOD	IFICATI	ON TI	TLE:	LAUN	ICH - T-2	AND TA-4 B	RIDLES
DESCRIPTION/JUSTIFICATION:																								
auncher Service Change 275 provides T-2 Buckeye and TA-4 Skyhawk aircraft launch capability on CV(N)s without installed bridle arrestors.																								
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT I	MILESTO	DNES:				NOT /	APPLIC/	ABLE															
	EV 1004	0 Dries	Ε.	/ 100E	ΓV	1000	Ε.ν.	/ 1007		/ 1000	ΓV	1000		2000	Ε.ν.	2004	ΓV	2002		/ 2002		TC	TO	TAL
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE FY 1994 & Prior																<u>2001</u> \$	QTY	2002 \$		<u>2003</u>	QTY	TC \$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)	<u>FY 1994 & Prior</u> <u>FY 1995</u> <u>FY 1996</u> <u>F</u> <u>QTY</u> \$ QTY \$ QTY \$ QTY														<u> </u>	Ψ		Ψ	<u> </u>		<u> </u>	Ψ	1	<u> </u>
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.000																		0.000
INSTALLATION KITS					2190																		2190	0.361
INSTALLATION KITS NONRECURRING					2.00	0.00																	2.00	0.001
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.046		0.044																0.090
OTHER - ILS						0.020																		0.020
OTHER - ATE						0.004		0.004																0.008
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP						0.016	1750	0.016*	440														2190	0.032
TOTAL PROCUREMENT					2190	0.447		0.064															2190	0.511
										ITEM	130	Р	AGE	32	2	·		·			CLAS	SIFICATION	ON: UNCLA	ASSIFIED

^{*} This is an Organizational Operations / Maintenance item with minimal NFMP installation support costs.

CLASSIFICATION: UI	NCLASS	IFIED)																										
P3A (Continued)							I	NDIVI	DUAL N	IOD	IFICATIO	N (Co	ontinue	ed)															
MODELS OF SYSTEM	//S AFFE	CTED): <u>C7, (</u>	C13-0,	C13-1	AND	C13-2	2 CAT	APULTS	3	МО	DIFIC	ATION	ТІТ	LE:	LAUNC	H - T-2	2 AND T	ГА-4 Е	3RI	DLES					_			
INSTALLATION INFO	RMATIO	N:																											
METHOD OF IMPLEM	IENTATI	ON:	"O" LEVE	L MAII	NTENA	ANCE	/ OPE	RATIO	SNC																				
ADMINISTRATIVE LE	ADTIME	:	NOT APPL	_ICABI	LE		_				PRODUC	CTION	I LEAD	TIM	IE:	NOT APP	PLICA	BLE											
CONTRACT DATES:		FY 1	997:		N/A						FY 1998	:		N/A				F	FY 19	99:		N/A	ı.						
DELIVERY DATE:		FY 1	997:		N/A						FY 1998	:		N/A				F	FY 19	99:		N/A	ı	_					
													(\$ in	Milli	ione)														
Cost:	Qty \$															otal													
	Qty \$ Qty															\$													
INSTALLATION SUP	PORT							0.01	6		0.016				Ĺ					·									0.032
Cost: Prior Years FY 1995 FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 To Complete Tota Qty \$ Q																													
FY 1995 EQUIPMEN	Т																												
PRIOR YEARS																													
FY 1995 EQUIPMENT 1750 * 440 * 2190 FY 1996 EQUIPMENT 2190 FY 1997 EQUIPMENT 2190																													
PRIOR YEARS																													
FY 1999 EQUIPMEN																													
FY 2000 EQUIPMEN																													
FY 2001 EQUIPMEN																													
FY 2002 EQUIPMEN																													
FY 2003 EQUIPMEN	Т																												
TO COMPLETE																													
INSTALL COST - No	n-FMP							0.01	6 17	50	0.016	440	*															2190	0.032
INSTALLATION SC																													
	Y 1996		FY 1997		1	EV.	1998	ΠГ		Y 19	200	1	FY 20	200			2001				2002	1	FY 2003	,	TC				
	& Prior	1	2 3		1 4			4	_	<u>1 18</u>	3 4	4	2		4	_	3	4	_		3 4	4	2 3	-	1	то	TAL		
In	400	450	450 450		├				<u> </u>	_		╁		<u> </u>	-	<u> </u>			<u> </u>		<u> </u>	╁┼			1		190		
Out	400		450 450		1 1																						190		
		100	100 100	, 100	110			— Г				J										J L			1		100		
* This is an Organ	nizationa	ıl Opei	rations / Ma	aintena	ance ite	m wi	th mini	mal N	FMP ins	talla	ation supp	ort co	sts.																
		·																											
																									P-3				
											- 1	TEM	130)	PA	AGE 33							CL	ASSI	FICATION	: UNG	CLASSIFI	ED	

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVIE	DUAL	MODIFI	CATIO	ON																		
MODELS OF SYSTEM AFFECTED:	C7, C13-	0, C13-1	AND C	13-2 CA	TAPUL	.TS	TYP	E MODIF	ICAT	ION:	SAFE	TY					MOE	DIFICATI	ON TI	TLE:	LAUN	<u>\CH - F-1</u> 4	HOLDBAC	K BARS
DESCRIPTION/JUSTIFICATION:																								
Launcher Catapult Deck Gear and Accesso change will be accomplished in conjunction									holdb	ack laur	nch bar	s to corr	ect / e	eliminate	mis-po	ositionir	ng of t	he laund	h bar o	during ca	atapult	to aircraft	hook-up. T	his service
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT I	MILESTO	ONES:				NOT	APPLIC	ABLE															
	<u>FY 1994</u> QTY	& Prior	<u>FY</u> QTY	<u>/ 1995</u> ′\$		<u>′ 1996</u> \$	<u>F`</u> QTY	<u>Y 1997</u> \$		<u>/ 1998</u> \$	<u>FY</u> QTY	1999 \$	<u>F\</u> QTY	<u>/ 2000</u> \$	<u>FY</u> QTY	<u>2001</u> \$		<u>/ 2002</u> \$	<u>FY</u> QTY	2003 \$	QTY	TC \$	<u>TO</u> QTY	TAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.001		0.001														0.001
INSTALLATION KITS							200	0.120	100	0.065													300	0.185
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.065		0.009		0.010														0.084
OTHER - ILS						0.006																		0.006
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT											İ												1	
INSTALL COST - Non-FMP						0.013	100	0.070	200	0.008	İ				1								300	0.091
TOTAL PROCUREMENT								0.199			İ												300	0.366
	•		•		•		•		•	ITEM	130	Р	AGE	34	1						CLAS	SIFICATI	ON: UNCLA	ASSIFIED

P3A (Continued)	SIFIEL	<u>, </u>				INDIVIDU	AL MC	DIFICATION	ON (Co	ontinued)														
MODELS OF SYSTEMS AFF	ECTE	D: <u>C7,</u>	C13-	0, C13-1 A	ND C	13-2 CATA	APULTS	<u>s</u> MO	DIFICA	ATION TITI	LE:	LAUNCI	H - F-1	4 HOLD	BACK	BARS					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	DEPOT																						
ADMINISTRATIVE LEADTIM			A Mo	nths			_	PRODUC	CTION	LEADTIMI	E:	N/A	A Mor	nths										
CONTRACT DATES:	FY	1997:		N/A	_			FY 1998	:	N/A	١				<u> </u>	:	N/A							
DELIVERY DATE:		1997:		N/A		-		FY 1998		N/A					/ 1999		N/A		_					
										(\$ in M	illione	٠)												
Cost:	Pri	or Years		Y 1995	1 6	Y 1996	l E	/ 1997	F\	γ 1998		Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete	Г т	Total
COSt.	Qty	\$	Qty		Qty		Qty	\$	Qty	\$	Qty		Qty	\$	Qty		Qty	\$	Qty		Qty		Qty	\$
INSTALLATION SUPPORT	Qty	Ψ	Qty	Ψ	Qty	0.013	Qty	0.070	Qty	0.008	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty		Qty	0.091
PRIOR YEARS						0.013		0.070		0.000									1		+			0.031
FY 1995 EQUIPMENT																	1				+			
FY 1996 EQUIPMENT																					+			
FY 1997 EQUIPMENT							100	*	100	*											+		200	*
FY 1998 EQUIPMENT							100		100	*											+	ſ	100	*
FY 1999 EQUIPMENT																					+		100	
FY 2000 EQUIPMENT																					+	·		
FY 2001 EQUIPMENT					1																			
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP						0.013	100	0.070	200	0.008													300	0.091
INSTALLATION SCHEDUL	E:																							
FY 1996	5	FY 1997	7	FY	′ 1998		FY 1	1999		FY 2000		FY	2001		FY	2002		FY 200	3	TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO	TAL		
In				50 50	50																36	00		
Out]	25 25	50	50 50	50	50											J				3	00		
Service Change installar	ation in	ocornorate	ad dui	rina norms	ıllv eck	ah haluhar	not ma	intenance																
Corvide Orlange Install	20011 II	ooipoiate	o uui	ing nonne	y 301	ioduica de	Porma																	
																					-3A			
									ITEM	1 130	P/	AGE 35						CL	_ASSIF	FICATION	N: UNC	CLASSIFI	EĎ	

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UALI	MODIFIC	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	CV(N) CA	ATAPULTS	3				TYPE	MODIF	ICAT	ION:	RELIA	ABILITY	/ / MAI	NTAINA	BILITY		MOD	IFICATI	ON TI	ΓLE:	LAUN	ICH - CAT	WATER BE	RAKE
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change 612 for the Cata	pult Water	Brake Sy	/stem	standar	dizes	all pump	s to th	ne CVN (68 cla	ss confi	guration	٦.												
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT N	MILESTO	NES:				NOT	APPLIC	ABLE					_										
	FY 1994	& Prior	EV	1995	EV	′ 1996	EV	′ 1997		Y 1998	EV	1999		/ 2000	EV	2001	EV	2002	EV	2003		TC	TO ⁻	TAI
	QTY	\$								\$	QTY			\$	QTY		QTY				QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																				·				
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.045																						0.045
INSTALLATION KITS	16	0.720																					16	0.720
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.040		0.020																				0.060
OTHER - ILS		0.020		0.015																				0.035
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP					8	0.400	8	0.430															16	0.830
TOTAL PROCUREMENT	16	0.780		0.035		0.400		0.430															16	1.645
		•								ITEM	130	F	PAGE	3(3						CLAS	SIFICATION	ON: UNCLA	SSIFIED

P3A (Continued)						INDIVIDU	JAL N	IODIFICA [*]	TION	(Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>CV(</u>	N) CA	ATAPULTS	3			_ MC	DIFIC	CATION TI	TLE:	LAUNC	H - CA	T WATE	R BRA	KE					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD -	SHIP ALT	ERAT	ION (SA)																		
ADMINISTRATIVE LEADTIME				nths		(,	_	PRODU	CTIOI	N LEADTII	MF.		Mor	nths										
CONTRACT DATES:		1997:		N/A	_			FY 1998		N/A					_ 1999:		N/A	A						
DELIVERY DATE:		1997:		N/A		=		FY 1998		N/A					1999:		N/A		_					
										(\$ in l	Million	ne)												
Cost:	Pri	or Years	T F	Y 1995	TF	Y 1996	F	Y 1997	F	Υ 1998		Y 1999	TF	Y 2000	F	Y 2001	T	Y 2002	F	Y 2003	To C	omplete		Total
0031.																Qty		Qty	\$					
INSTALLATION SUPPORT	Q.y	Ψ	Qty	Ψ	Q.y		Qty		Qty	Ψ	Qıy	Ψ	Qty	Ψ	Qiy	Ψ	Qıy	Ψ	Qty	Ψ.	Qiy	Ψ	Giy	0.114
PRIOR YEARS					8	0.374	8	0.342															16	0.716
FY 1995 EQUIPMENT							_																	
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP					8	0.400	8	0.430															16	0.830
	_																							
INSTALLATION SCHEDUL		E)/ 100=		1			- \(1000		E) / 0000		1			5) (2000		E) (0000		II TO				
FY 1996	ill ,	FY 1997	-		<u>′ 1998</u>			1999	Ш.	FY 2000	-		2001			2002	П.	FY 2003		TC				
& Prior	1	2 3	4	1 2	3_	4 1	_ 2	3 4	1	2 3	4	1 2	3	4 1	_ 2	3 4	1	2 3	4	Ш		TAL		
In 16 Out 8		8																				16 16		
				1 1								- L								. ————————————————————————————————————				
																				P-:	3A			
																					3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL	MODIFIC	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	MK7 JET	BLAST	EFLEC	CTOR			TYP	E MODIF	FICAT	ION:	SUPF	PORTAB	ILITY	/ CONF	IGUR/	ATION	MOD	IFICAT	ION TI	TLE:	LAUN	NCH - JET	BLAST DE	FLECTOR
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change (SHIPALT 7172)	to the Mk	7 Jet Bla	ast Def	lector (J	IBD) is	an imp	roved	design t	hat is	supporta	able, re	liable, a	nd ma	aintainal	ole; is s	tandard	acros	s the sh	nip clas	s; and i	s F/A-	18 Hornet	compatible.	
				•	•					• •									•				·	
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT I	MILESTO	NES:				NOT	APPLIC	ABLE	:														
														•										
	FY 1994		_	<u>′ 1995</u>		<u>′ 1996</u>		<u>/ 1997</u>		<u>/ 1998</u>		1999		2000		2001	_	2002		2003		<u>TC</u>		TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.168																						0.168
INSTALLATION KITS	9	1.513																					9	1.513
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.090		0.045		0.045																		0.180
OTHER - ILS		0.090		0.045		0.045																		0.180
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP					2	1.477	3	3.676	1	1.045	3	4.451											9	10.649
TOTAL PROCUREMENT	9	1.693		0.090		1.567		3.676		1.045		4.451											9	12.522
										ITEM	130	P	AGE	3	8						CLAS	SSIFICAT	ION: UNCLA	ASSIFIED

CLASSIFICATION: UNCLAS	SIFIE)																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICAT	TION ((Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>MK7</u>	7 JET	BLAST D	EFLEC	CTOR		_ MO	DIFIC	ATION TI	TLE:	LAUNCH	H - JE	T BLAST	DEFL	ECTOR					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD - S	SHIP ALT	ERATI	ION (SA)																		
ADMINISTRATIVE LEADTIME	≣:	•	Mor	nths				PRODUC	CTION	I LEADTIN	ΛE:		Mor											
CONTRACT DATES:	FY ?	1997:		N/A				FY 1998	:	N/A				F۱	Y 1999		N/A	ı						
DELIVERY DATE:	FY '	1997:		N/A				FY 1998	:	N/A	١			F	Y 1999	: <u> </u>	N/A		=					
										(\$ in N	Millior	ns)												
Cost:	Pric	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F'	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete	7	Γotal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT						0.035		0.088		0.079		0.106												0.308
PRIOR YEARS					2	1.442	3	3.588	1	0.966	3	4.345											9	10.341
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP					2	1.477	3	3.676	1	1.045	3	4.451											9	10.649
INSTALLATION SCHEDUL	F.																							
FY 1996		FY 1997	,	FY	1998		FY	1999		FY 2000		FY	2001		FY	2002		FY 2003	3	TC				
& Prior	1	2 3	-	1 2		4 1		3 4	1	2 3			3	4 1		3 4	1 1	2 3	-	<u></u>	TO	TAL		
In 9								· <u> </u>								· <u> </u>		· <u> </u>			,	9		
Out2	J L	1 2		J L	7		2		J L			l		L			J L				;	9		
																				D	3A			
									TEN4	400		VOE 20						01	40015			N A COLFI		

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVID	UAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	LAUNCH	HER EQU	IIPME	NT		_	TYP	E MODIF	FICAT	ION:	IMPR	OVED C	CAPAI	BILITIES	-		MOE	IFICATION	IT NC	ITLE:	LAUN	NCHER - IV	IISC S/Cs	
DESCRIPTION/JUSTIFICATION:																								
This includes various Launcher Service Cha	anges prod	cured or i	nstalle	ed with p	rior y	ear fund	ing, o	f limited	dollar	value, ar	nd futu	re year p	orocur	rements.	Inclu	ded in th	is exl	nibit are t	he Sh	nuttle S	preade	er, Filter Bo	oster Pum	o, Jet Blast
Deflector (JBD) Port Control, Lube Meter Ir	njectors, M	1odificatio	n to t	he Relay	/ Statu	us syste	m, Se	ven Segr	ment [Display, I	RRE H	ydraulic	Moto	r Control	, Spla	sh Plate	, and	the Troug	gh He	eater Su	ipport	Replaceme	ent.	
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	NES:				NOT	APPLIC	ABLE					_										
	FY 1994	& Prior	F١	1995	ΕY	′ 1996	F١	/ 1997	F١	/ 1998	FY	1999	F۱	Y 2000	FΥ	2001	F١	2002	FY	2003		TC	TO	TAL
	QTY	\$	QTY			\$	QTY		QTY		QTY		QTY		QTY		QTY			\$	QTY	<u> </u>	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.172				0.158								0.178				0.174				0.173
INSTALLATION KITS			26	4.484			4	0.633							5	0.890			15	2.614	10	1.763	60	10.384
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE				0.900		0.444		0.196		0.005		0.020		0.021		0.162		0.100		0.200				2.048
OTHER - ILS				0.183		0.191		0.040		0.079		0.056		0.011		0.100		0.125		0.075				0.860
OTHER - ATE																0.047		0.050		0.060				0.157
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP	*	18.445	*	12.960	*	2.928	26	3.599	4	0.943		0.047		0.015			5	0.148	5	0.550	20	1.790	60	41.425
TOTAL PROCUREMENT		18.445	26	18.527		3.563	4	4.468		1.027		0.123		0.047	5	1.199		0.423	15	3.499	10	3.553	60	54.874
										ITEM	130	P.	AGE	40							CLAS	SIFICATION	ON: UNCLA	ASSIFIED

* Various

CLASSIFICATION: UNCLASS	SIFIE	D																						
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	TION ((Continue	d)													
MODELS OF SYSTEMS AFFE	СТЕ	D: <u>LAU</u>	NCHI	ER EQUIP	MEN	Γ		MO	DIFIC	ATION TI	ΓLE:	LAUNCH	IER -	MISC S/C	S						_			
INSTALLATION INFORMATIC																								
METHOD OF IMPLEMENTAT							_																	
ADMINISTRATIVE LEADTIME			Mor		_					I LEADTIN			Moı		_									
CONTRACT DATES:		1997:		VARIOU		•		FY 1998			RIOU				1999		N/A							
DELIVERY DATE:	FY	1997:	_	VARIOU	S	<u>.</u>		FY 1998	:	VAF	RIOU	<u>S</u>		FY	1999		N/A		-					
										(\$ in N														
Cost:		or Years		Y 1995		Y 1996	F	Y 1997	F`	Y 1998		Y 1999		Y 2000		Y 2001	F	Y 2002		Y 2003		omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.078		0.045		0.047		0.015				0.008		0.050				0.243
PRIOR YEARS	*	18.445	*	12.960	*	2.928																		34.333
FY 1995 EQUIPMENT							26	3.521															26	3.521
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT									4	0.898													4	0.898
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																	5	0.140					5	0.140
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																			5	0.500	10	1.000	15	1.500
TO COMPLETE																					10	0.790	10	0.790
INSTALL COST - Non-FMP	*	18.445	*	12.960	*	2.928	26	3.599	4	0.943		0.047		0.015			5	0.148	5	0.550	20	1.790	60	41.425
INSTALLATION SCHEDUL	E:																							
FY 1996		FY 1997		FY	1998		FY	1999		FY 2000		FY	2001		FY	2002		FY 2003		TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO	TAL		
In 26 *				4											5			1 2	2	20	6	0		
Out	6	7 6	7	1	1	2										3 2		1	4	20	6	0		
* Various																								
																				P-3	Α			

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVID	UAL I	MODIFIC	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	VARIOUS	3					TYPI	E MODIF	ICAT	ION:	VARI	ous				_	MOD	IFICATION	ои т	ITLE:	VLA S	S/C SUMM	ARY	
DESCRIPTION/JUSTIFICATION:																								
Summary page of all Visual Landing Aids (\	/I A) Servi	ce Chanc	165																					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- ,		,																					
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	/ILESTO	NES:				NOT	APPLIC	ABLE					_										
	FY 1994 QTY	<u>& Prior</u> \$	<u>FY</u> QTY	<u>′ 1995</u> \$	<u>FY</u> QTY	<u>′ 1996</u> \$	<u>FY</u> QTY	<u>/ 1997</u> \$	FY QTY	<u>Y 1998</u>	<u>FY</u> QTY	<u>′ 1999</u> \$	<u>F`</u> QTY	<u>Y 2000</u> ' \$	<u>F\</u> QTY	<u>′ 2001</u> \$	<u>FY</u> QTY	<u>′ 2002</u> \$	<u>FY</u> QTY	<u>2003</u>	QTY	<u>TC</u> \$	<u>TC</u> QTY	DTAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.037		0.022		0.025				0.072		0.038				0.031		0.030		0.030				
INSTALLATION KITS	31	1.153	138	3.104	24	0.609			20	1.430	12	0.456			49	1.500	66	2.000	139	4.196			CONTINUI	NG
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.297		0.940		0.232		0.222		0.185		0.144		0.020		0.150		0.148		0.300			CONTINUI	NG
OTHER - ILS		0.148		0.195		0.083		0.070		0.127		0.035		0.015		0.100		0.100		0.232			CONTINUI	NG
OTHER - ATE																0.050		0.065		0.100			CONTINUI	NG
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST	**2	2.372	**3	1.627	5	1.324			48		26	1.524	19	1.517	8	0.323	37			1.816	141	2.465	CONTINUI	NG
TOTAL PROCUREMENT	31	3 970	138	5 866	24	2 248		1 769	20	2 258	12	2 159		1 552	49	2 123	66	3 476	139	6 644		2 465	CONTINUI	NG

PAGE

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^{**} Various

CLASSIFICATION: UNCLASS	SIFIE)																				
P3A (Continued)						INDIVIDU	AL MC	DIFICATI	ON (C	ontinued))											
MODELS OF SYSTEMS AFFE	CTE	D: <u>VA</u>	RIOU	S				_ MO	DIFIC	ATION TI	ΓLE:	VLA S/C	SUN	MARY							-	
INSTALLATION INFORMATIO																						
METHOD OF IMPLEMENTAT		VARIOU	_				-	BBOBLI														
ADMINISTRATIVE LEADTIME		VARIOUS			-					LEADTIN		VARIOUS	Moi		4000		, A D. I O					
CONTRACT DATES:		1997:	_	ARIOUS		-		FY 1998		VARIO					1999:		ARIO		-			
DELIVERY DATE:	FΥ	1997:		'ARIOUS		-		FY 1998		VARIO	US			FY	1999:		'ARIO	05	-			
										(\$ in M	lillion	s)										
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F۱	Y 1997	F'	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To Complete	Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty \$	Qty \$
INSTALLATION SUPPORT						0.030		0.547		0.132		0.140		0.077		0.113		0.065		0.050	Continuing	Continuing
PRIOR YEARS	** 2	2.372	** 3	1.627	4	1.294	13	0.167	6	0.147	1	0.057	2	0.105							Continuing	Continuing
FY 1995 EQUIPMENT					1	*	104	0.763	18	0.038	13	0.040					2	*			Continuing	Continuing
FY 1996 EQUIPMENT									24	0.199											Continuing	Continuing
FY 1997 EQUIPMENT																					Continuing	Continuing
FY 1998 EQUIPMENT											6	1.107	11	1.155	3	0.027					Continuing	Continuing
FY 1999 EQUIPMENT											6	0.180	6	0.180							Continuing	Continuing
FY 2000 EQUIPMENT																					Continuing	Continuing
FY 2001 EQUIPMENT															5	0.183	20	0.690	16	0.566	Continuing	Continuing
FY 2002 EQUIPMENT																	15	0.408	30	0.816	Continuing	Continuing
FY 2003 EQUIPMENT																			27	0.384	Continuing	Continuing
TO COMPLETE																					Continuing	Continuing
INSTALL COST	**2	2.372	**3	1.627	5	1.324	117	1.477	48	0.516	26	1.524	19	1.517	8	0.323	37	1.163	73	1.816	Continuing	Continuing
INSTALLATION SCHEDUL FY 1996		FY 1997	,		1998		FY '			FY 2000			2001			2002	1	FY 2003		TC		
& Prior	1	2 3	4	1 2	3	4 1	2	3	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TOTAL	
In **137 *	21	9 9	9	8		3 3	3	3 6		8 3		3		15 17		15 15		22 23	23	83	479	
Out **10	20	32 35	30	9 17	11	11 2	10	6 8	2	5 6	6	1	2	5 8	10	8 11	15	20 25	13	143	479	
* Type Commander funde ** Various	ed ins	tallation.																		P-3	·Α	

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	DUAL	MODIFI	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	LHA / LHE	PRIMAR	RY FLIG	нт сог	NTROL	-	TYP	E MODIF	FICAT	ION:	IMPR	OVED C	APAI	BILITY	_		MOD	IFICATI	ON TI	TLE:	VLA	- LHA / LHI	D PRIFLY (A	ACS)
DESCRIPTION/JUSTIFICATION:																								
This Service Change installs Night Vision D	Device (NVE	D) compa	tible fil	ters and	d lense	es aboa	rd LH/	A / LHD o	class s	ships to e	ensure	Primary	Fligh	t Control	is com	patible	with N	NVD ope	ration	S.				
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT M	IILESTO	NES:				NOT	APPLICA	BLE					_										
	FY 1994	0 Dries	ΓV	1005	Ε.	/ 1000		/ 1007		/ 1000	ΓV	1000		/ 2000	EV.	2004	Ε\/	2000	ΓV	2002		TC	то	TAL
	QTY	\$	QTY	199 <u>5</u> \$		<u>′ 1996</u> \$	QTY	<u>/ 1997</u> \$	QTY	<u>/ 1998</u> \$	QTY	<u>1999</u> \$		<u>/ 2000</u> \$	FY 2 QTY			<u>2002</u> \$		2003 \$	QTY	TC \$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)												0.038												0.038
INSTALLATION KITS											12	0.456											12	0.456
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.050		0.106		0.079												0.235
OTHER - ILS								0.010		0.045		0.015												0.070
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP		İ									6	0.200	6	0.220		0.035							12	0.455
TOTAL PROCUREMENT								0.060		0.151	12	0.750		0.220		0.035							12	1.216
	•	•				•		•		ITEM	130	P	AGE	44							CLA	SSIFICATION	ON: UNCLA	SSIFIED

CLASSIFICATION: UNCLAS	SIFIE)																						
P3A (Continued)						INDIVIDU	IAL M	ODIFICAT	ΓΙΟΝ (Continue	d)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>LHA</u>	. / LH[O PRIMAR	RY FLIC	GHT CON	ITROL	_ мо	DIFIC	ATION TI	TLE:	VLA - LH	HA / L	HD PRIFL	Y (AC	S)					_			
INSTALLATION INFORMATION INFORMATION OF IMPLEMENTAT		DEDOT																						
ADMINISTRATIVE LEADTIME			Mor	nthe			_	PRODUK	AOIT?	LEADTIN	1 = ·	6	Mor	nthe										
CONTRACT DATES:		1997:	IVIOI	N/A	_			FY 1998		N/A			IVIOI		1999:		Oc	t-98						
DELIVERY DATE:		1997:		N/A				FY 1998		N/A					1999:			r-99	_					
										(\$ in N	lillions	3)												
Cost:	Pric	or Years	F	Y 1995	F	/ 1996	F`	Y 1997	F۱	Y 1998	_	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT												0.020		0.040		0.035								0.095
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT											6	0.180	6	0.180									12	0.360
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP											6	0.200	6	0.220		0.035							12	0.455
INSTALLATION SCHEDUL	.E:																							
FY 1996		FY 1997	,	FY	′ 1998		FY '	1999		FY 2000		FY	2001		FY 2	2002		FY 2003	3	TC				
& Prior	1	2 3	-		3	4 1	2	3 4	1	2 3	4		3			3 4	1	2 3			TO	TAL		
In							3	3		3 3											1	2		
Out]						1	2 3	<u> </u>	1 2	3						<u> </u>				1	2		
																				P-3	3A			

P3A		INDIVID	DUAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	CENTER	LINE GU	IDE LIC	SHTING		-	TYPE	E MODIF	ICAT	ION:	RELIA	ABILITY	/ MAI	NTAINA	BILITY	,	MOD	IFICATI	ON TI	TLE:	VLA	- L CLASS	C-L LIGHTI	ING
DESCRIPTION/JUSTIFICATION:																								
Replaces the existing Center Line TRAM lin	ne lights ar	nd syster	n with	fiber op	tics to	improv	e reliat	oility and	maint	tainability	of lau	nch and	reco	very cent	ter line	lighting	aboa	rd LHD	/ LHD	class s	hips.			
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT I	MILESTO	ONES:				NOT	APPLIC	ABLE															
	FY 1994	& Prior	FΥ	1995	FΥ	′ 199 <u>6</u>	FY	′ 1997	ΕY	/ 1998	FY	1999	F۱	2000	FY	2001	FY	2002	FY	2003		TC	TO	TAL
	QTY	\$		\$	QTY		QTY		QTY		QTY		QTY		QTY		QTY		QTY		QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.098														0.098
INSTALLATION KITS									12	1.175													12	1.175
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.010		0.074		0.045												0.129
OTHER - ILS								0.010		0.019														0.029
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INTERIIVI CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											6	1.138	6	1.137		0.021							12	2.296

PAGE

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	AL M	ODIFICA [*]	TION (Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>CEN</u>	ITERI	LINE GUII	DE LIG	HTING		_ MC	DIFIC	ATION TI	TLE:	VLA - L	CLAS	S C-L LIG	HTING	G					_			
INSTALLATION INFORMATION																								
METHOD OF IMPLEMENTAT							_																	
ADMINISTRATIVE LEADTIM			Mor		_			PRODU	CTION	I LEADTII	ΛE:	6	Mor		_									
CONTRACT DATES:	FY	1997:		N/A				FY 1998	:	De	c-97			FY	1999:		Oc	t-98	_					
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	Ju	l-98			FY	1999:	: <u></u>	Ap	r-99	_					
										(\$ in N	lillions	s)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F١	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT												0.031		0.030		0.021								0.082
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											6	1.107	6	1.107									12	2.214
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP											6	1.138	6	1.137		0.021							12	2.296
INSTALLATION SCHEDUL	.E:																							
FY 1996	3	FY 1997	,	FY	1998		FY	1999		FY 2000		FY	2001		FY:	2002		FY 2003	3	TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO	TAL		
In						3 3		3 3													1	2		
Out							2	2 2	1	1 2	2										1	2		
<u> </u>									-											. ——				
																				P-:	3A			

CLASSIFICATION: UNCLASSIFIED P3A		INIDU/ID		MADIE!	- TIG																			
P3A		INDIVID	UALI	MODIFIC	AIIC	N																		
MODELS OF SYSTEM AFFECTED:	FLOLS M	IK-6				<u>.</u>	TYPE	MODIF	ICAT	ION:	IMPR	OVED C	APAE	BILITY	_		MOD	IFICATI	ON TI	TLE:	VLA	- FLOLS S	HOCK HAR	DENING
DESCRIPTION/JUSTIFICATION:																								
Visual Landing Aides (VLA) Service Chang	e 116 prov	ides sho	ck har	dening to	o the	Fresnel	Optica	al Landin	g Sys	tem (IFL	OLS) t	o increas	se sys	stem relia	ability	and cap	ability							
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	NES:				NOT	APPLIC	ABLE					_										
			_		_				_				_				_							
	FY 1994 QTY	& Prior \$		<u>′ 1995</u> \$		<u>′ 1996</u> \$		<u>′ 1997</u> \$		<u>/ 1998</u> \$	FY QTY	1999 \$		<u>/ 2000</u> \$	FY QTY	2001		<u>2002</u> \$	FY QTY	2003	QTY	<u>TC</u> \$	QTY	<u>TAL</u> \$
FINANCIAL PLAN (IN MILLIONS)	QII	<u></u>	Q I I	J J	QII	φ	QII	φ	QII	φ I	QII	J J	QII	φ I	QII	Ψ	QII	φ	QII	φ	QII	<u></u>	Q I I	φ
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.054																						0.054
INSTALLATION KITS	16	0.864																					16	0.864
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.050																						0.050
OTHER - ILS		0.060																						0.060
			+																					
OTHER - ATE																								
	2	0.114	3	0.167	4	0.224	2	0.125	2	0.142	1	0.067	2	0.105									16	0.944

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	TION (Continue	d)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>FLO</u>	LS M	K-6				_ MO	DIFIC	ATION TI	TLE:	VLA - FL	OLS	SHOCK F	IARDE	ENING					_			
INSTALLATION INFORMATIO	ON:																							
METHOD OF IMPLEMENTAT		SHIPYA	RD																					
ADMINISTRATIVE LEADTIME			Mor	nths			-	PRODU	CTION	I LEADTIN	ΛE:	12	2 Mor	nths										
CONTRACT DATES:		1997:		N/A	_			FY 1998	:	N/A				FY	1999:	:	N/A							
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	N/A				FY	1999:	· _	N/A		_					
										(¢ :- N		- \												
Cost:	Dri	or Years		Y 1995		Y 1996		Y 1997		(\$ in N Y 1998		S) Y 1999		Y 2000		Y 2001		Y 2002		Y 2003	To C	Complete		Total
Cost.	Qty	\$	Qty		Qty	\$	Qty		Qty	\$	Qty	\$	Qty		Qty		Qty	\$	Qty	\$	Qty		Qtv	\$
INSTALLATION SUPPORT	Qty	Ψ	Qty	Ψ	Qty	0.030	Qty	0.020	Qty	0.020	Qty	0.010	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	0.080
PRIOR YEARS	2	0.114	3	0.167	4	0.194	2	0.105	2	0.122	1	0.057	2	0.105									16	0.864
FY 1995 EQUIPMENT		0.111	Ť	0.107	1	0.101		0.100	_	0.122		0.007		0.100										0.001
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP	2	0.114	3	0.167	4	0.224	2	0.125	2	0.142	1	0.067	2	0.105									16	0.944
INICTALL ATION COLIEDUI	- .																							
INSTALLATION SCHEDUL FY 1996		EV 4007		EV.	4000		ΓV	4000	1	EV 2000		- FV	2004			2002	1	EV 2000	,	TO				
& Prior	$\parallel_{\scriptscriptstyle 1}$	FY 1997 2 3			1998 3	4 1		1999 3 4	1	FY 2000 2 3			2001 3	4 1		2002 3 4	1	FY 2003		TC	Ι_ΤΟ	TAL		
In 16	┧┝╧		_ 	<u> </u>					-			 					╁					16		
Out 9		1	1	1		1		1		1	1											16		
																				P-:	3A			

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVID	UALI	MODIFIC	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	ALL ILAR	RTS				_	TYPE	MODIF	FICAT	ION:	RELIA	BILITY	/ MAI	NTAINA	BILITY	,	MOD	IFICAT	ION TI	TLE:	VLA -	ILARTS	CAMERA RE	EPLACE
DESCRIPTION/JUSTIFICATION:																								
Visual Landing Aides (VLA) Integrated Laur maintainability.	nch and Re	ecovery T	Γelevis	sion Sys	tem (II	LARTS)	Servi	ce Chan	ge 5 re	eplaces	the DA	GE cam	neras v	vith curr	ent vid	eo and	micro-	process	sor tec	hnolog	y to imp	orove sys	tem reliability	y anc
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT N	MILESTO	NES:				NOT	APPLIC	ABLE															
	FY 1994 QTY	& Prior		<u>/ 1995</u> * \$		<u>′ 1996</u> \$		<u>′ 1997</u> \$	<u>FY</u> QTY	<u>′ 1998</u> \$	<u>FY</u> QTY	1999 \$		<u>2000</u>	<u>FY</u> QTY	<u>2001</u> \$	<u>FY</u> QTY	2002 \$		<u>2003</u> \$	QTY	<u>TC</u>	<u>TO</u> QTY	TAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
<u>PROCUREMENT</u>																								
INSTALLATION KITS (UNIT COST)				0.024																				0.024
INSTALLATION KITS			20	0.478																			20	0.478
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.050		0.025		0.025																		0.100
OTHER - ILS		0.020		0.010		0.010																		0.040
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
		1	_								1												1	0.045
INSTALL COST - Non-FMP							20	0.015															20	0.015

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVID	UAL M	IODIFICA	TION	(Continue	d)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>ALL</u>	ILAR	TS				_ MC	DIFIC	ATION TI	TLE:	VLA - IL	ARTS	CAMERA	A REP	LACE					_			
INSTALLATION INFORMATIO	N:																							
METHOD OF IMPLEMENTAT	ION:	VRT INS	STALL	.ATION			_																	
ADMINISTRATIVE LEADTIME			Moi		_					I LEADTIN		11	1 Mon		_									
CONTRACT DATES:		1997:		N/A				FY 1998		N/A					1999:		N/A		_					
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	N/A	١			FY	1999:		N/A		_					
										(\$ in N	lillions	s)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F'	Y 1998	F	Y 1999	F'	Y 2000	F'	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.015																0.015
PRIOR YEARS																								
FY 1995 EQUIPMENT							20	*															20	
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							20	0.015															20	0.015
INOTALLATION COLIFOLI	_																							
INSTALLATION SCHEDUL		EV 4007	,	- FV	4000		ΓV	4000	1	EV 2000			7.0004		EV.	2000	1	EV 2000	`	TO				
FY 1996 & Prior	,	FY 1997 2 3			1998 3	4 1		1999 3 4	\prod_{a}	FY 2000 2 3			<u>2001</u>	4 1		2002 3 4	\prod_{a}	FY 2003 2 3	-	TC	Ι_ΤΟ	TAL		
In 20	-		4	<u> </u>	<u> </u>	4 1		3 4	╁┝┷	2 3	4	<u> </u>		4 -		3 4	- -		_ 4	 		20		
Out	5	5 5	5																			20		
- Cut		3 3		l L					J			l I		—			J ∟			Ш		10		
* Type Commander fund	ed ins	tallation.																						
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																								
																				P-:	3A			

CLASSIFICATION: UNCLASSIFIED P3A		INDIVID	UALN	MODIFI	CATIO	N																		
1 5/1					٥,																			
MODELS OF SYSTEM AFFECTED:	ALL ILAF	RTS					TYP	E MODIF	ICAT	ION:	RELIA	ABILITY	/ MAI	NTAINA	BILITY	′	MOE	DIFICAT	ION T	ITLE:	VLA	- ILARTS	SWITCHER	
DESCRIPTION/JUSTIFICATION:					. (11	4.5.7.6		. 01																
Visual Landing Aides (VLA) Integrated Laur system mean time between failure (MTBF)	nch and R	ecovery	l elevis	sion Sys	tem (II	_ARTS)	Servi	ice Chan	ge 6 r	eplaces	the vid	eo switc	her as	ssemblie	s with	technol	ogy to	improv	e syst	em relia	ibility a	and mainta	ainability; an	d increase
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT I	MILESTO	NES:				NOT	APPLIC	ABLE					_										
	EV 4004	I O Deine	ΓV	1005	ΓV	1000		/ 1007	Ε.	/ 1000	ΓV	1000		/ 2000	ΓV	2004		/ 2002	Ε.	(2002		TC	TO	OTAL
	FY 1994 QTY	\$	QTY	<u>1995</u> \$	QTY	<u>1996</u> \$		<u>Y 1997</u> ' \$	QTY	<u>/ 1998</u> \$	QTY	1999 \$	QTY	<u>/ 2000</u> \$	QTY	2001 \$		<u>/ 2002</u> \$		<u>′ 2003</u> ′ \$	QTY	<u>TC</u> \$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)						·																		T
RDT&E																								+
PROCUREMENT																								1
INSTALLATION KITS (UNIT COST)		0.019																						0.019
INSTALLATION KITS	15	0.289																					15	0.289
INSTALLATION KITS NONRECURRING																								1
EQUIPMENT																								1
EQUIPMENT NONRECURRING																								1
ENGINEERING CHANGE ORDERS																								
DATA																								1
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.040		0.020		0.020		0.065																0.145
OTHER - ILS		0.020		0.015		0.015		0.035																0.085
OTHER - ATE																								1
INTERIM CONTRACTOR SUPPORT																					Ì			1
INSTALL COST - Non-FMP		1					11	0.087	4	0.025									1				15	0.112
INSTALL COST - NON-FIMP			1 1																					

CLASSIFICATION: UNCLAS	SIFIE)																						
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	ΓΙΟN (Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>ALL</u>	ILAR [*]	TS				МО	DIFIC	ATION TI	TLE:	VLA - IL	ARTS	SWITCH	IER						_			
INSTALLATION INFORMATION METHOD OF IMPLEMENTATION		VPT INS	τΔΙΙ	ΔΤΙΩΝ																				
ADMINISTRATIVE LEADTIM			Mor				-	PRODU	CTION	LEADTIN	ΛF.	12	Mon	iths										
CONTRACT DATES:		1997:	14101	N/A	-			FY 1998		N/A			- 10101		_ ′ 1999:		N/A							
DELIVERY DATE:		1997:						FY 1998		N/A					' 1999:		N/A		-					
																			-					
										(\$ in M	lillions	s)												
Cost:	Pri	or Years	F	Y 1995	F'	Y 1996	F`	Y 1997	F\	/ 1998	F	Y 1999	F	Y 2000	F'	Y 2001	F'	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.025																0.025
PRIOR YEARS							11	0.062	4	0.025													15	0.087
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							11	0.087	4	0.025													15	0.112
INSTALLATION SCHEDUI																	_							
FY 1996		FY 1997			1998			1999		FY 2000			2001			2002		FY 2003		TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4 1	_ 2	3 4	1	2 3	4		TO			
In 15																						5		
Out		3 5	3	2	1	1											J				1	5		
																				_				
																				P-	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UALI	MODIFI	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	ALL ILAF	RTS					TYP	E MODIF	FICAT	ION:	RELI	ABILITY	/ MAI	NTAINA	BILIT	Y	MOE	DIFICATI	ION TI	TLE:	VLA -	· ILARTS [DATA GENE	RATOR
DESCRIPTION/JUSTIFICATION:																								
Visual Landing Aides (VLA) Integrated Laur and maintainability; and increase system m		,		,	,	LARTS)	Servi	ce Chan	ge 7 r	eplace th	ne vide	o switch	ner as:	semblies	with	current v	video a	and micr	o-proc	essor t	echno	logy to imp	orove syster	n reliability
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT I	MILESTO	NES:				NOT	APPLIC	ABLE					-										
	FY 1994 QTY	& Prior \$	<u>FY</u> QTY	<u>′ 1995</u> \$		<u>1996</u> \$	<u>F\</u> QTY	<u>/ 1997</u> \$	<u>F\</u> QTY	<u>/ 1998</u> \$		<u>1999</u> \$	<u>F`</u> QTY	<u>/ 2000</u>		<u>/ 2001</u>		<u>/ 2002</u> \$		<u>2003</u> \$	QTY	<u>TC</u>	<u>TO</u> QTY	TAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.013																				0.013
INSTALLATION KITS			13	0.175																			13	0.175
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.030		0.020		0.020																		0.070
OTHER - ILS		0.020		0.010		0.010																		0.040
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							5	0.042	4	0.021	4	0.022								-			13	0.085
TOTAL PROCUREMENT		0.050	13	0.205		0.030		0.042		0.021		0.022											13	0.370
										ITEM	130	Р	AGE	54							CLAS	SSIFICATI	ON: UNCL	ASSIFIED

CLASSIFICATION: UNCLASS	SIFIE	D																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICA"	TION (Continue	d)													
MODELS OF SYSTEMS AFFE	ECTE	D: <u>ALL</u>	ILAR	TS				_ MC	DIFIC	ATION TI	TLE:	VLA - IL	ARTS	DATA G	ENER	ATOR					_			
INSTALLATION INFORMATIO	N:																							
METHOD OF IMPLEMENTAT	ION:	VRT INS	STALL	ATION																				
ADMINISTRATIVE LEADTIME	:	1	Mon	nths				PRODU	CTION	I LEADTIN	ΛE:	12	2 Mor	nths										
CONTRACT DATES:	FY	1997:		N/A				FY 1998	:	N/A				F۱	/ 1999:		N/A		_					
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	N/A				F١	/ 1999:		N/A		_					
										(\$ in M	lillions	s)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F	Υ 1998		Y 1999	l F	Y 2000	F.	Y 2001	ΙF	Y 2002	F	Y 2003	To C	omplete		Total
300.	Qty		Qty		Qtv	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	۵.,	<u> </u>	ω.,	Ψ	α.,	<u>_</u>	۵.,	0.015	ς.,	Ψ	α.,		۵.,	Ψ	ς.,	<u> </u>	۵.,	Ψ	α.,	Ψ	α.,	Ψ	۵.,	0.015
PRIOR YEARS								0.0.0																0.0.0
FY 1995 EQUIPMENT							5	0.027	4	0.021	4	0.022											13	0.070
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							5	0.042	4	0.021	4	0.022											13	0.085
	_																							
INSTALLATION SCHEDUL		E)/ 1007		1	1000		-	1000		E) / 0000			0004		E) (2000	- —	E) / 000	_					
FY 1996	Ш.	FY 1997	•		1998			<u>1999</u>		FY 2000			2001			2002	Ш.	FY 2003		TC				
& Prior	2	$\frac{2}{3} \frac{3}{3}$			3	4 1	2	3 4	1	2 3	4	1 2	3	4 1		3 4	- 1	2 3	4		ТО			
In Out	2	3 5	3	-			4															3		
Out	J L	5		4			4		<u> </u>								J L				1	3		
* Installations commence in	FY97	due to airo	craft o	arrier ava	ilability	schedule	25																	
						230001														P-:	3A			

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVID	UAL	MODIFIC	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	LSO HUE	0 MK-1 M	OD 0			_	TYP	E MODIF	FICAT	ION:	RELL	ABILITY	/ MAI	NTAINA	BILIT	<u> </u>	MOD	IFICAT	ION TI	TLE:	VLA -	LSO HUD	SPEAKER	S
DESCRIPTION/JUSTIFICATION:																								
Visual Landing Aides (VLA) Landing Signal	s Officer H	leads Up	Displ	ay (HUD) Serv	vice Cha	ange 1	improve	s the	reliability	and n	naintaina	bility	by upgra	ading t	he LSO	HUD	Worksta	tion O	J-314/I	FSC sp	peakers		
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	NES:				NOT	APPLIC	ABLE					_										
	<u>FY 1994</u> QTY	& Prior \$		<u>/ 1995</u> ′ \$		<u>/ 1996</u> \$		<u>/ 1997</u> \$		<u>Y 1998</u>	<u>FY</u> QTY	<u>′ 1999</u> \$		<u>/ 2000</u> \$		<u>′ 2001</u> \$		<u>2002</u>	<u>FY</u> QTY	2003 \$	QTY	<u>TC</u> \$	<u>TO</u>	<u>TAL</u> \$
FINANCIAL PLAN (IN MILLIONS)			I															·				<u> </u>		,
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.016																				0.016
INSTALLATION KITS			13	0.210																			13	0.210
INSTALLATION KITS NONRECURRING																							1	
EQUIPMENT																							1	
EQUIPMENT NONRECURRING																							Ī	
ENGINEERING CHANGE ORDERS																								
DATA																							Ī	
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																							Ī	
OTHER - PE		0.020		0.020																			Ī	0.040
OTHER - ILS		0.010		0.010																			Ī	0.020
OTHER - ATE																							1	
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							11	0.211	1	0.027	1	0.028											13	0.266
TOTAL PROCUREMENT		0.030	13	0.240				0.211		0.027		0.028											13	0.536
										ITEM	130	P	AGE	56	3						CLAS	SIFICATION	ON: UNCLA	SSIFIED

PAGE

CLASSIFICATION: UNCLAS	SIFIE)																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICAT	TION (Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>LSC</u>	HUD	MK-1 MC	DD 0			МО	DIFIC	ATION TI	TLE:	VLA - LS	SO HL	JD SPEAK	KERS						_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD/\	/RT			_																	
ADMINISTRATIVE LEADTIME	≣:	1	Mor	nths	_			PRODUC	CTION	I LEADTIN	ΛE:	2	2 Mor		_									
CONTRACT DATES:		1997:		N/A				FY 1998		N/A					′ 1999:		N/A		_					
DELIVERY DATE:	FY	1997:		Jan-97				FY 1998	:	N/A				FY	1999:		N/A		_					
										(\$ in M	lillion	-1												
Cost:	Pri	or Years	l F	Y 1995	l F	Y 1996	F	Y 1997	F)	(φ III IV Y 1998		Y 1999	l F	Y 2000	l F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
0031.	Qty	\$	Qty		Qtv	\$	Qty	\$	Qty	\$	Qtv		Qty		Qtv	\$	Qtv	\$	Qty		Qtv	\$	Qtv	\$
INSTALLATION SUPPORT	Qty	Ψ	Qty	Ψ	Qıy	Ψ	Qty	0.035	Qty	0.010	Qıy	0.010	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	0.055
PRIOR YEARS																								
FY 1995 EQUIPMENT							11	0.176	1	0.017	1	0.018											13	0.211
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE							.	2 2 4 4															4.0	
INSTALL COST - Non-FMP							11	0.211	1	0.027	1	0.028											13	0.266
INSTALLATION SCHEDUL	г.																							
FY 1996		FY 1997	,	I EV	1998	————	EV	1999	1	FY 2000		EV	2001		EV	2002	1	FY 2003	2	TC		1		
& Prior	'll ,	2 3			3	4 1		3 4	1	2 3			3			3 4	4	2 3	_	 C	TO	TAI		
In 13	+			1 - 2					ŀ		-	<u> </u>				3 4	╁┼					3		
Out		3 4	4	ll 1			1															3		
				· — — — — —																		-		
																				P-:	3A			

P3A		INDIVID	UALI	MODIFIC	CATIO	N																		
MODELS OF SYSTEM AFFECTED:	CV(N) FL	OLS MK-	6				TYP	E MODIF	ICAT	ION:	IMPR	OVED C	CAPAE	BILITIES	_		MOE	DIFICATI	ON T	ITLE:	VLA -	FLOLS S	/Cs 129	
DESCRIPTION/JUSTIFICATION:																								
Visual Landing Aides (VLA) Fresnel Lens O	ptical Lan	ding Syst	tem (F	LOLS) S	Service	e Chang	je 129	connect	ts the	AN/SPN	I-46 rad	dar gyro	to the	FLOLS	ystem	allowin	g the	operator	to se	lect an	d displ	ay the sele	ected gyro s	ource.
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT I	MILESTO	NES:				NOT	APPLIC	ABLE															
	E)/ 400 4	۰				1000	_	(4007	_			4000	_	, 0000		0004	_			0000		TO	то	T 4.1
	FY 1994 QTY	& Prior \$	QTY	<u>′ 1995</u> \$	QTY	1996 ¢	QTY	<u>/ 1997</u> \$		<u>/ 1998</u> \$	QTY	1999 \$	QTY	<u>2000</u> \$	QTY	2001 ¢		<u>/ 2002</u> \$		2003 \$	OTV	TC \$	OTY	<u>TAL</u> \$
FINANCIAL PLAN (IN MILLIONS)	QII	<u>Ψ</u>	QII	Ψ		Ψ		<u>Ψ</u>	QII	Ψ	1	Ι	QII	Ψ	QII	Ψ		T T	Q I I	Ψ	QII	Ψ	1	<u>Ψ</u>
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.023																				0.023
INSTALLATION KITS			17	0.391																			17	0.391
INSTALLATION KITS NONRECURRING			1	0.001																				0.001
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.077		0.070		0.030																		0.177
OTHER - ILS		0.012		0.015		0.005																		0.032
OTHER - ATE																								
	1		1		1 1			İ																1
INTERIM CONTRACTOR SUPPORT																								
INTERIM CONTRACTOR SUPPORT INSTALL COST - Non-FMP							4	0.040	9	0.020	3	0.020					1	0.005					17	0.085

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVI	DUAL N	MODIFICA	TION	(Continue	d)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>CV(</u>	N) FL	OLS MK-6	6			MC	DIFIC	CATION TI	TLE:	VLA - FL	LOLS	S/Cs 129)						_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT		SHIPYA	RD -	SHIP ALT	ERAT	ION																		
ADMINISTRATIVE LEADTIME) Mo		_					N LEADTIN		12	Mor		_									
CONTRACT DATES:		1997:		N/A				FY 1998		N/A					Y 1999		N/A		_					
DELIVERY DATE:	FY	1997:	_	N/A		•		FY 1998	3 :	N/A				F	Y 1999	:	N/A		-					
										(\$ in N	lillion	s)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.040		0.020		0.020						0.005						0.085
PRIOR YEARS																								
FY 1995 EQUIPMENT							4	*	9	*	3	*					1	*					17	*
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							4	0.040	9	0.020	3	0.020					1	0.005					17	0.085
INSTALLATION SCHEDUL	E.																							
FY 1996		FY 1997	,	FY	1998		FY	1999		FY 2000		FY	2001		FY	2002	1	FY 2003		TC				
& Prior	1 1	2 3	-		3	4		3 4	1	2 3			3	4 1		3 4	11	2 3	4		то	TAL		
In 17	┧ ┈			1 		<u> </u>	<u> </u>		١ <u>⊢</u>		<u> </u>	∐∸ –	- <u> </u>				┧ ╵		· —			17		
Out		3 1		2 3	2	2	1 1	1							1							17		
* Type Commander fund	ed ins	tallation.																						
,,																				P-	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL	MODIFIC	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	CV(N) FL	OLS MK-6	6			-	TYP	E MODIF	FICAT	ION:	IMPR	OVED	CAPAI	BILITIES	<u>_</u>		MOE	DIFICATI	ON TI	TLE:	VLA -	- FLOLS S	/C 130	
DESCRIPTION/JUSTIFICATION:																								
Visual Landing Aids (VLA) Fresnel Lens Op	tical Land	ing Syste	m (FL	OLS) Se	ervice	Change	130	- Dayligh	t Rea	dable Inc	dicator	change	s the	display t	o redu	ce glare	and i	ncrease	reada	bility in	daylig	ht conditio	ns.	
																-								
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	NES:				NOT	APPLIC	ABLE					_										
	FY 1994	& Prior	F١	/ 1995	FY	′ 1996	F۱	Y 1997	F١	Y 1998	FY	1999	F١	r 2000	FY	2001	F١	′ 2002	FY	2003		TC	TO.	TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.005																				0.005
INSTALLATION KITS			17	0.089																			17	0.089
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.030		0.040		0.025																		0.095
OTHER - ILS		0.006		0.009		0.005																		0.020
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP					1	*	6	0.047	4	0.040	5	0.049					1	0.010					17	0.146
TOTAL PROCUREMENT		0.036	17	0.138		0.030		0.047		0.040		0.049						0.010					17	0.350
										ITEM	130	Р	AGE	60)						CLAS	SSIFICATION	ON: UNCLA	SSIFIED

^{*} Type Commander funded installation.

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	JAL N	IODIFICA [*]	TION	(Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>CV(</u>	N) FL	OLS MK-6	6			_ MC	DIFIC	CATION TI	TLE:	VLA - FL	OLS	S/C 130							_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD -	SHIP ALT	ERATI	ON																		
ADMINISTRATIVE LEADTIM	E:	- 9) Mo	nths				PRODU	CTION	N LEADTIN	ΛE:	⁻ 12	Mor	nths										
CONTRACT DATES:	FY	1997:		N/A				FY 1998	:	N/A				FY	_ 1999	:	N/A							
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	N/A				FY	1999	:	N/A	1	_					
										(\$ in N	lillion	s)												
Cost:	Pri	or Years	F	Y 1995	l F	Y 1996	l F	Y 1997	F	Y 1998	_	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty		Qty		Qty	\$	Qty		Qty	\$	Qty	\$	Qty		Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	1	T T		·		· ·	1	0.047		0.040	,	0.049	,	· ·	1	,		0.010	,	•		,	,	0.146
PRIOR YEARS																								
FY 1995 EQUIPMENT					1	*	6	*	4	*	5	*					1	*					17	*
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP					1	*	6	0.047	4	0.040	5	0.049					1	0.010					17	0.146
INIOTALL ATION COLUEDLI	_																							
INSTALLATION SCHEDUL		EV 4003	,		(4000			1000	1	E)/ 0000			0004			0000	1 -	E)/ 0000		ITO	_			
FY 1996	ון י	FY 1997 2 3			<u>′ 1998</u> 3	٠, ١١,		1999 3 4	1	FY 2000 2 3			2001 3	٠, ١١, ١		2002 3 4	11 ,	FY 2003 2 3		TC		TAL		
& Prior	╁┞┸		4	<u> </u>		4 1		3 4				 _	<u> </u>	- 4 1		3 4			4	-		17 17		
In	1	2 1	2	1 1	1	1 1	2	1 1							1							17		
Out I		<u> </u>			- '			<u> </u>	J			l I										17		
Type Commander fund	led ins	tallation																						
. , po communati fund																								
																				P-3	3A			

CLASSIFICATION:	UNCLASSIFIED
D2A	

INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED: VISUAL LANDING AIDS (VLA) TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: VLA - MISC S/Cs

DESCRIPTION/JUSTIFICATION:

This exhibit includes various Visual Landing Aids (VLA) Service Changes procured or installed with prior year funding, of limited dollar value, and future year procurements. Included are the A207 Power Supply Drawer; Heads U Display (HUD) Electromagnetic Interference (EMI) Hardening; HUD Work Station Changes; Head Wind /Cross Wind Indicator; Landing Signals Officer (LSO) HUD Aircraft Launch System (ACLS) Status Indicator; LSO HUD ILACSS AN/SPN-46 radar interface, AN/SPN-46 Precision Approach Landing System (PALS) Indicator Interface, Wave Off Indicator; and T-45 aircraft Upgrade to the Fresnel Lens Optical Landing System (FLOLS)/HUD.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 1994	& Prior	FY	′ 1 <u>995</u>	FY	1996	FY	1997	F١	/ 1 <u>998</u>	FY	1999	F١	2000	FY	2001	FY	2002	FY	2003		TC	TO	TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.030		0.025				0.032						0.031		0.030		0.030				0.030
INSTALLATION KITS			58	1.761	24	0.609			8	0.255					49	1.500	66	2.000	139	4.196			344	10.321
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE				0.745		0.112		0.097		0.005		0.020		0.020		0.150		0.148		0.300				1.597
OTHER - ILS				0.126		0.038		0.015		0.063		0.020		0.015		0.100		0.100		0.232				0.709
OTHER - ATE																0.050		0.065		0.100				0.215
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP	*	2.258	*	1.460	*	1.100	58	0.910	24	0.241			5	0.055	8	0.267	35	1.148	73	1.816	141	2.465	344	11.720
TOTAL PROCUREMENT		2.258	58	4.092	24	1.859		1.022	8	0.564		0.040		0.090	49	2.067	66	3.461	139	6.644		2.465	344	24.562

* Various.

CLASSIFICATION: UNCLASS	SIFIE	D																						
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	TION ((Continue	d)													
MODELS OF SYSTEMS AFFE	ECTE	D: VIS	UAL I	LANDING	AIDS	(VLA)		_ МО	DIFIC	CATION TI	TLE:	VLA - N	MISC S	i/Cs							-			
INSTALLATION INFORMATION METHOD OF IMPLEMENTAT		VDT DE	пот	AND CHII		D																		
ADMINISTRATIVE LEADTIME			Mor		PIAK	ט	•	PRODI I	^TION	N LEADTIN	1 ⊏·	N/	/A Moi	nthe										
CONTRACT DATES:		1997:	VIVIOI	N/A	-			FY 1998		N/A		11/	A WIO		1999:		N/A							
DELIVERY DATE:		1997:		N/A				FY 1998		N/A					1999:		N/A		-					
DELIVERY DATE:		1007.		14// \				1 1 1550	•	14//					1000.		14//		-					
										(\$ in M	lillions	;)												
Cost:	Pri	or Years	F	Y 1995	F'	Y 1996	F'	Y 1997	F`	Y 1998	_	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.350	ĺ	0.042				0.007		0.057		0.050	ĺ	0.050		0.010		0.566
PRIOR YEARS	*	2.258	*	1.460	*	1.100																		4.818
FY 1995 EQUIPMENT							58	0.560															58	0.560
FY 1996 EQUIPMENT									24	0.199													24	0.199
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT													5	0.048	3	0.027							8	0.075
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT															5	0.183	20	0.690	16	0.566	8	0.271	49	1.710
FY 2002 EQUIPMENT																	15	0.408	30	0.816	21	0.584	66	1.808
FY 2003 EQUIPMENT																			27	0.384	112	1.600	139	1.984
TO COMPLETE																								
INSTALL COST - Non-FMP	*	2.258	*	1.460	*	1.100	58	0.910	24	0.241			5	0.055	8	0.267	35	1.148	73	1.816	141	2.465	344	11.720
INSTALLATION SCHEDUL		<u> </u>		I	1000		E) (1000		<u> </u>					5) ()			F)/ 0000	1	احما				
FY 1996	Ш.	FY 1997			1998			1999	ΙΙ.	FY 2000		_	Y 2001			2002	Ш.	FY 2003		TC				
& Prior	1	2 3	<u>4</u> 6	1 2	3	4 1		3 4	1	2 3	4	1 2		4 1	2	3 4 15 15	1	2 3 22 23	4	83		TAL		
In 56 *	2	6 6	-	_	7	١١				5		3	3 9	15 17 4 8	15 9		17 14				_	44		
Out	14	15 14	15	5 6		6			I L	5			4	4 8	9	9 9	14	18 23	18	141	3	44		
* Various.																								
																				P-3				
_								17	ГЕМ	130	PA	.GE	63					CLA	ASSIF	ICATION:	UNC	CLASSIFI	ED	

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL	MODIFIC	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	VARIOUS	3					TYP	E MODIF	FICAT	ION:	VARI	ous				_	MOD	DIFICATI	ON TI	TLE:	RECO	OVERY S/0	SUM	MARY
DESCRIPTION/JUSTIFICATION:																								
Summary page of all Recovery Service Cha	2000																							
Summary page of all Necovery Service Cha	anges																							
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT M	/ILESTO	NES:				NOT	APPLIC	ABLE					-										
	FY 1994	& Prior	F۱	/ 1995	F۱	/ 1996	F١	Y 1997	F۱	Y 1998	FY	1999	F۱	/ 2000	FY	2001	F١	/ 2002	FY	2003		TC		TOTAL
	QTY	\$	QTY		QTY		QTY		QTY		QTY		QTY		QTY		QTY		QTY		QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)		0.018		0.063		0.009		0.005		0.014		0.017		0.015		0.038		0.113		0.105				
INSTALLATION KITS	8	0.144	21	1.331	42	0.368	290	1.536	167	2.394	131	2.169	121	1.838	78	2.938	20	2.252	60	6.300			CON	TINUING
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE		0.095		0.275		0.745		0.952		0.677		0.343		0.220		0.258		0.167		0.330			CON	TINUING
OTHER - ILS		0.011		0.104		0.137		0.179		0.556		0.224		0.050		0.100		0.100		0.150			CON	TINUING
OTHER - ATE										0.015		0.030		0.015		0.050		0.060		0.075	İ		CON	TINUING
INTERIM CONTRACTOR SUPPORT																					İ			
INSTALL COST	**	10.538	**	7.229	1	1.939	58	1.481	120	0.952	264	2.060	180	1.320	136	1.043	101	2.530	53	3.100	25	1.340	CON	TINUING
TOTAL PROCLIREMENT	Ω	10.788			12					1 501									60			1 240		TINILIING

TOTAL PROCUREMENT 8 10.788 21 8.939 42 3.189 290 4.148 167 4.594 131 4.826 121 3.443 78 4.389 20 5.109 60 9.955 1.340 CONTINUING

| ITEM 130 PAGE 64 CLASSIFICATION: UNCLASSIFIED ** Various

CLASSIFICATION: UNCLAS	SIFIE	D																				
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	TION (Continue	d)											
MODELS OF SYSTEMS AFF	ECTE	D: <u>VAI</u>	RIOU	S				_ МО	DIFIC	ATION TI	TLE:	RECOVE	ERY S	C SUMM	ARY						-	
INSTALLATION INFORMATI	ON:																					
METHOD OF IMPLEMENTAT	TION:	VARIOU	S				_															
ADMINISTRATIVE LEADTIM	E:	3	Moi	nths				PRODUC	CTION	I LEADTII	ΛE:	5	Mont									
CONTRACT DATES:	FY	1997:	\	/ARIOUS		_		FY 1998	:	VARIO	US			FY	1999:	V	ARIO	US	_			
DELIVERY DATE:	FY	1997:				-		FY 1998	:	VARIO	US			FY	1999:	V	ARIO	US				
										(\$ ir	n Millio	ne)										
Cost:	Pri	or Years	l F	Y 1995	F	Y 1996	F	Y 1997	F'	Υ 1998		Y 1999	F'	Y 2000	F	Y 2001	F	Y 2002	F.	Y 2003	To Complete	Total
	Qty	\$	Qty		Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty \$	Qty \$
INSTALLATION SUPPORT		_ T		· ·		,		0.203		0.149		0.532	٦.,	0.164		0.128		0.105		0.100	Continuing	Continuing
PRIOR YEARS	**	10.538	**	7.229			8	0.354													Continuing	Continuing
FY 1995 EQUIPMENT					1	1.939	12	0.724	8	0.272											Continuing	Continuing
FY 1996 EQUIPMENT							18	0.180	20	0.210	4	0.020									Continuing	Continuing
FY 1997 EQUIPMENT							20	0.020	88	0.211	162	0.336	20	0.025							Continuing	Continuing
FY 1998 EQUIPMENT									4	0.110	98	1.172	48	0.274	17	0.064					Continuing	Continuing
FY 1999 EQUIPMENT													112	0.857	19	0.026					Continuing	Continuing
FY 2000 EQUIPMENT															99	0.725	22	*			Continuing	Continuing
FY 2001 EQUIPMENT															1	0.100	71	1.997	6	0.500	Continuing	Continuing
FY 2002 EQUIPMENT																	8	0.428	12	0.675	Continuing	Continuing
FY 2003 EQUIPMENT																			35	1.825	Continuing	Continuing
TO COMPLETE	**																				Continuing	Continuing
INSTALL COST	**	10.538	**	7.229	1	1.939	58	1.481	120	0.952	264	2.060	180	1.320	136	1.043	101	2.530	53	3.100	Continuing	Continuing
INSTALLATION SCHEDU		E) (1007		T = 51	1000			1000		E) / 000/						0000		E) / 0000	1	T-0		
FY 1990	1 1	FY 1997	•		1998			<u>1999</u>	Ш.	FY 2000	-		2001			2002		FY 2003		TC	TOTAL	
& Prior		2 3	4	1 2	3	4 1	2	3	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TOTAL	
In 31 *	12	13 36 11 11	46 33	57 59 22 34	55 27	34 38 37 49	42 64	56 <u>45</u> 73 78	39 36	40 40 48 48	35 48	29 30 31 37	30 36	30 20 32 26	21 28	17 15 24 23	15 13	16 17 13 13		2 25	938 938	
		11 11	33	22 34	21	31 49	04	13 18	30	40 48	40	31 37	30	32 26	20	24 23	13	13 13	14	23	930	
Type Commander fund	ded ins	tallation.																				
** Various																				Б.0	À	

РЗА		INDIVID	DUALI	MODIFI	CATIO	ON																		
MODELS OF SYSTEM AFFECTED:	ALL RAS	T SYSTE	MS			_	TYPI	E MODIF	ICAT	ION:	RELL	ABILITY	/ MAI	NTAINA	BILIT	<u> </u>	MOE	IFICATION	T NC	ITLE:	REC	OVERY - I	RAST PMV	(ACS)
DESCRIPTION/JUSTIFICATION:																								
This Service Change provides for the upgrathe handling of LAMPS MK III helicopters.	ade and re	eplaceme	ent of v	arious c	bsole	scent co	ompon	ents of th	ne Re	covery, i	Assist,	Securing	and and	Traversi	ng (R	AST) sys	tem i	nstalled a	aboar	d vario	us Air	Capable S	Ships (ACS)	to assist in
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	ONES:				NOT	APPLIC	ABLE															
	FY 1994 QTY	<u>& Prior</u> \$	<u>FY</u> QTY	<u>′ 1995</u> \$	<u>FY</u> QTY	<u>/ 1996</u> \$	<u>F\</u> QTY	<u>′ 1997</u> \$	F) QTY	<u>/ 1998</u> \$	<u>FY</u> QTY	1999 \$	<u>F\</u> QTY	<u>′ 2000</u> \$	<u>FY</u> QTY	<u>′ 2001</u> \$	<u>F\</u> QTY	<u>′ 2002</u> \$		2003	QTY	TC \$	<u>TO</u> QTY	<u>TAL</u> \$
FINANCIAL PLAN (IN MILLIONS)			1	<u>, , , , , , , , , , , , , , , , , , , </u>	T		T	<u>, </u>		<u> </u>	T			<u> </u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>				<u> </u>
RDT&E																								
PROCUREMENT			-																					
INSTALLATION KITS (UNIT COST)			1									0.029		0.029		0.029								0.029
INSTALLATION KITS											37	1.073	37		37	1.073							111	3.219
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.075		0.149		0.100		0.031		0.031		0.019						0.405
OTHER - ILS								0.015		0.020		0.050		0.020										0.105
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																					1 1			
INTERIM CONTRACTOR SUPPORT INSTALL COST - Non-FMP													37	0.293	37	0.292	37	0.289					111	0.874

CLASSIFICATION: UNCLAS P3A (Continued)	SIFIE)				INDIVIDI	JAL N	IODIFICA	TION (Continue	1)													
(,	(-,													
MODELS OF SYSTEMS AFF	ECTE	D: ALL	RAS	T SYSTEM	ИS			_ MC	DIFIC	ATION TIT	LE:	RECOV	ERY -	RAST PM	1V (AC	CS)					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	VOYAG	E REI	PAIR TEA	М																			
ADMINISTRATIVE LEADTIM			Moi				_	PRODU	CTION	I LEADTIN	IE:	g) Mor	nths										
CONTRACT DATES:	FY ·	1997:		N/A	_			FY 1998	:	N//	4				1999:		1	2/15/98						
DELIVERY DATE:	FY	1997:		N/A		- -		FY 1998	:	N/A	4			FY	1999:	_		9/15/99	-					
										(\$ in !	Million	e)												
Cost:	Prid	or Years	l F	Y 1995	T F	Y 1996	TF	Y 1997	F	Y 1998	_	Y 1999	T F	Y 2000	F	Y 2001	F	Y 2002	l F	Y 2003	To C	omplete	Т 1	otal
000	Qtv	\$	Qty		Qty		Qtv		Qty	\$	Qty		Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	α.,		۵.,		Ψ.,	· ·	Δ.,	Ψ	۵.,	Ψ	۵.,	Ψ	۵.,	0.018	۵.,	0.017	۵.,	0.014	۵.,	<u> </u>	ω.,		ς.,	0.049
PRIOR YEARS														0.0.0		0.01.		0.0						0.0.0
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT													37	0.275									37	0.275
FY 2000 EQUIPMENT															37	0.275							37	0.275
FY 2001 EQUIPMENT																	37	0.275					37	0.275
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP													37	0.293	37	0.292	37	0.289					111	0.874
INSTALLATION SCHEDUL	⊏.																							
FY 1996		FY 1997	7	EV	1998		EV	1999	1	FY 2000		EV	2001		EV	2002	1	FY 2003		TC				
& Prior		2 3	-		3			3 4	1								1	2 3		10	ТО	TAL		
In a ringr	1 -			┧┝┷╌╧				$\frac{3}{7}$		10 10	10	1 2 10 10	10	10 10	10	4	ŀ⊢					11		
Out									7	10 10	10	7 10	10	10 7	10	10 10						11		
																				P-	3A			
L										100								01		-10 A TION	-			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVIE	DUAL	MODIF	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	ALL INST	ΓALLED F	RAST S	YSTEM	S	_	TYPE	E MODI	FICAT	ION:	RELIA	ABILITY	/ MAI	NTAINA	BILIT	<u> </u>	MOD	IFICATI	ON T	ITLE:	REC	- RAST M	ACHINE RO	OM
DESCRIPTION/JUSTIFICATION:																								
This Service Change corrects various desc	repancies	identifie	d by Fl	leet use	rs and	results	in red	uced sh	ipboar	d mainte	nance	man-ho	urs fo	r the Rec	overy	, Assist,	Secu	ring and	Trave	ersing (RAST)	system ir	nstalled abox	ard various
Air Capable Ships (ACS) to assist in the ha	indling of l	LAMPS N	ΛK İII I	nelicopt	ers										-			_				-		
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT I	MILESTO	NES:				NOT	APPLIC	CABLE															
	FY 1994	& Prior	FY	1995	<u>FY</u>	′ 1996	FY	1997	<u>F</u>	<u> 1998</u>	FY	1999	<u>F</u>	2000	FY	2001	FY	2002	FY	2003		<u>TC</u>	<u>TO</u>	TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																							-	
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.013		0.013		0.014		0.014							1	0.013
INSTALLATION KITS									27	0.360	27	0.360	27	0.365	27	0.365							108	1.450
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.035		0.253		0.150		0.046		0.046		0.046		0.028						0.604
OTHER - ILS						0.024		0.020		0.085		0.040												0.169
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											27	0.477	27	0.477	27		27	0.477					108	1.908
TOTAL PROCUREMENT						0.059		0.273	27	0.595	27	0.923	<u> </u>	0.888	<u> </u>	0.888		0.505					108	4.131
										ITEM	130	P	AGE	68							CLAS	SSIFICATI	ON: UNCLA	ASSIFIED

CLASSIFICATION: UNCLAS	SIFIEI	D																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: ALL	INST	ALLED R	AST S	YSTEMS		МС	DIFIC	ATION TI	TLE:	REC - R	AST I	MACHINE	ROO	М					_			
INSTALLATION INFORMATION																								
METHOD OF IMPLEMENTAT	ION:	VRT INS	STALL	.ATION			_																	
ADMINISTRATIVE LEADTIME	≣:	3	Mor		_			PRODU	CTION	N LEADTII	ME:	12	2 Mor		_									
CONTRACT DATES:	FY	1997:		N/A				FY 1998	3:	12	/31/97	7		FY	1999	·	12/	31/99						
DELIVERY DATE:	FY	1997:		N/A		•		FY 1998	3:	12	/31/98	3		FY	1999	: <u> </u>	12/	31/00	_					
										(\$ in !	Million	ıs)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete	-	Total
																\$	Qty	\$	Qty	\$				
INSTALLATION SUPPORT												0.027		0.027		0.027		0.027						0.108
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											27	0.450											27	0.450
FY 1999 EQUIPMENT													27	0.450									27	0.450
FY 2000 EQUIPMENT															27	0.450							27	0.450
FY 2001 EQUIPMENT																	27	0.450					27	0.450
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP											27	0.477	27	0.477	27	0.477	27	0.477					108	1.908
INSTALLATION SCHEDUL																								
FY 1996		FY 1997			1998			1999		FY 2000			2001			2002		FY 2003		TC				
& Prior	1	2 3	4	1 2	3	4 1	2	$\frac{3}{7} \frac{4}{7}$		2 3	7	1 2	7	<u>4</u> 1 6	2	$\frac{3}{7} \frac{4}{7}$	1	2 3	4			TAL		
In						6		7 7		7 7					7	7 7					1	08		
Out						5	6	8 8	5	6 8	8	5 6	8	8 5	6	8 8					1	80		
																				_				
									TEN4	400		VOE 60									3A	OL A COLFI		

P3A		INDIVID	UAL	MODIFIC	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	MK7 ARF	RESTING	GEAR				TYPI	E MODIF	ICAT	ION:	RELIA	ABILITY	/ MAI	NTAINA	BILITY	,	MOD	IFICATI	ON TI	TLE:	REC	-RETRACT	ABLE SHE	AVE MOD
DESCRIPTION/JUSTIFICATION:																								
Recovery Service Change to the Retractab	le Sheave	Trunnio	n is a r	edesign	to us	e a smo	oth-bo	ore trunni	ion. T	he smoo	th-bor	e trunnio	n sim	plifies m	anufa	cturing, a	and re	duces a	ssem	bly and	insta	llation costs	3.	
	DOMENT MU FOTONEO. NOT ADDIJOADI F																							
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT I	MILESTO	NES:				NOT	APPLIC	ABLE															
	FY 1994 & Prior FY 1995 FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TC T														TO	TAL								
	QTY	\$	QTY		QTY		QTY		QTY		QTY		QTY		QTY		QTY				QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.012		0.016		0.027		0.034												0.018
INSTALLATION KITS					30	0.350	40	0.648	10	0.268	10	0.336											90	1.602
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.050		0.040		0.040		0.020		0.010										0.160
OTHER - ILS						0.010		0.020		0.020		0.007		0.007										0.064
OTHER - ATE															_				_					
OTHER - ATE INTERIM CONTRACTOR SUPPORT																								
-							15	0.193	31	0.396	24	0.332	18	0.378	2	0.046							90	1.345

PAGE

P3A (Continued)						INDIVIDU	IAL M	ODIFICAT	TION ((Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>MK</u>	7 ARF	RESTING	GEAR			_ MO	DIFIC	ATION TI	TLE:	REC-RE	TRAC	CTABLE S	HEAV	'E MOD					_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	DEPOT					_																	
ADMINISTRATIVE LEADTIM			Moi		_			PRODU	CTION	I LEADTIN	ΛE:	8	Mor		_									
CONTRACT DATES:	FY	1997:		10/30/9				FY 1998	:	10/	30/97	7		FY	1999:	<u></u>		30/98	_					
DELIVERY DATE:	FY	1997:		6/30/97	7			FY 1998	:	6/3	30/98	<u> </u>		FY	1999:	<u> </u>	6/3	30/99	_					
										(\$ in N	/lillion	ıs)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F`	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.025		0.020		0.020		0.080		0.020								0.165
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT							15	0.168	15	0.188													30	0.356
FY 1997 EQUIPMENT									16	0.188	24	0.312											40	0.500
FY 1998 EQUIPMENT													10	0.166									10	0.166
FY 1999 EQUIPMENT													8	0.132	2	0.026							10	0.158
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							15	0.193	31	0.396	24	0.332	18	0.378	2	0.046							90	1.345
INSTALLATION SCHEDUL	E.																							
FY 1996		FY 1997	7	FY	1998		FY	1999	I	FY 2000		FY	2001		FY	2002		FY 200	3	TC				
& Prior		2 3	-	1 2	3	4 1	2	3 4	1	2 3	4		3	4 1		3 4	1	2 3			то	TAL		
In 10	10					—i⊢		10	l 📩	<u> </u>	<u> </u>	┟ᆣ╶╧	- <u> </u>	··		<u> </u>	l					90		
Out		5 5	5	5 6	10	10 3	7	7 7	1	7 5	5	2										90		
												·												
																				В	3A			
																				Г-	υn			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	DUAL	MODIFI	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	MK7 MOI	D 3 ARRE	STING	GEAR		-	TYPE	E MODII	FICAT	ION:	PERF	ORMAN	NCE /	CAPABI	LITY		MOE	IFICAT	ION TI	TLE:	REC	- MK7 MO	D-3 PLUS A	ADCAP
DESCRIPTION/JUSTIFICATION:																								
This Service Change improves the perform	ance and	load bea	ring ca	pabilitie	es of th	ne MK7	Arresti	ing Gea	r beari	ngs, pur	chase	cables, a	and c	ross decl	k pend	lants to	suppo	rt the hi	gher st	ress lo	ads im	posed by	F/A-18E/F &	aircraft.
This advanced capability arresting gear will	ill also extend component service life.																							
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	NES:				NOT	APPLIC	ABLE															
	, <u>=</u>							, <u></u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					_										
	FY 1994 & Prior FY 1995 FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TC															<u>TO</u>	TAL							
	<u>FY 1994 & Prior</u> <u>FY 1995</u> <u>FY 1996</u> <u>FY 1997</u> <u>FY 1998</u> <u>FY 1999</u> <u>FY 2000</u> <u>FY 2001</u> <u>FY 2001</u>															\$	QTY	\$	QTY	\$	QTY	\$		
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.199														0.199
INSTALLATION KITS									4	0.796													4	0.796
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.180		0.100		0.080										0.360
OTHER - ILS										0.050		0.030		0.020										0.100
OTHER - ATE										0.015		0.030		0.015										0.060
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP											4	0.958											4	0.958
TOTAL PROCUREMENT									4	1.041		1.118		0.115									4	2.274
										ITEM	130	Р	AGE	72	2						CLAS	SIFICATION	ON: UNCLA	ASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D						0015104																
P3A (Continued)						INDIVIDU	JAL M	ODIFICA	TION (Continue	ed)													
MODELS OF SYSTEMS AFFECTED: MK7 MOD 3 ARRESTING GEAR MODIFICATION TITLE: REC - MK7 MOD-3 PLUS ADCAP													_											
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	VOYAG	E REF	PAIR TEA	M (VR	T)																		
ADMINISTRATIVE LEADTIME	≣:	3	Mor	nths				PRODU	CTION	I LEADTII	ME:	13	3 Mor	nths										
CONTRACT DATES: FY 1997: N/A						FY 1998	:	De	ec-97			F	Y 1999	:	N/A	į.								
DELIVERY DATE: FY 1997: N/A					FY 1998	:	Ja	ın-99			F'	Y 1999	: <u> </u>	N/A		=								
										(\$ in N	/lillions	s)												
Cost: Prior Years FY 1995 FY 1996					F	Y 1997	F۱	Y 1998		Y 1999	FY 2000		FY 2001		FY 2002		FY 2003		To Complete		Total			
	Qty	\$	Qty	\$	Qty	\$	Qty		Qty	\$	Qty	\$	Qty		Qtv		Qty	\$	Qty	\$	Qtv		Qtv	\$
INSTALLATION SUPPORT				*						<u> </u>		0.396				*				*				0.396
PRIOR YEARS												0.000												0.000
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT											4	0.562											4	0.562
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP											4	0.958											4	0.958
INIOTALL ATION COLIFOLI	_																							
INSTALLATION SCHEDUL FY 1996		EV 1007	,	ГУ	1000		ΓV	1000	1	EV 2000	`	ΓV	2004		ΓV	2002	1 <u> </u>	FY 2003		TC	_	_		
& Prior		FY 1997 2 3	-		<u>1998</u> 3	4 1		1999 3 4	1	FY 2000 2 3			2001 3	4		2002 3 4	1	2 3	4	10	то	TAL		
In	1 F						- -	2 1									11				_	4		
Out							-	4														4		
																				_		_		
																				Б.	ο Λ			
																				P-:	DH			

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVID	UAL	MODIFI	CATIO	ON																		
MODELS OF SYSTEM AFFECTED:	CV(N) ARRESTING GEAR						TYPE MODIFICATION:				RELIABILITY / MAINTAINABILITY						MOD	IFICAT	ION TI	TLE:	REC - FLUID RECLAMATION SYS			
DESCRIPTION/JUSTIFICATION:																								
Recovery Service Change 418 to the Fluid	Reclamat	ion Syste	m filte	ers out c	ontam	inants s	o that	fluid may	y be r	eintroduc	ced int	o the arre	esting	gear sy	stem.									
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT I	MILESTO	NES:				NOT	APPLIC	ABLE					-										
	FY 1994 & Prior		FY 1995		FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002 QTY \$		FY 2003					TAL _
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)						0.002																		0.002
INSTALLATION KITS					12	0.018																	12	0.018
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																							,	
EQUIPMENT NONRECURRING																							,	
ENGINEERING CHANGE ORDERS																								
DATA																							,	
TRAINING EQUIPMENT																							,	
SUPPORT EQUIPMENT																							,	
OTHER - PE						0.025		0.025		0.013		0.006							1				,	0.069
OTHER - ILS						0.005		0.005		0.005		0.003							1				,	0.018
OTHER - ATE																			1				,	
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							3	0.012	5	0.022	4	0.020											12	0.054
TOTAL PROCUREMENT					12	0.048		0.042		0.040		0.029							1				12	0.159
	•	•			•	•		•	•	ITEM	130	P	AGE	74	ļ		•				CLAS	SSIFICATION	ON: UNCLA	SSIFIED

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CLASSIFICATION: UNCLASS	SIFIE	D																						
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	ΓΙΟΝ (Continue	d)													
MODELS OF SYSTEMS AFFE	CTE	D: (CV	(N) AI	RRESTIN	G GEA	AR .		МО	DIFIC	ATION TI	TLE:	REC - F	LUID	RECLAM	OITAI	N SYS					_			
INSTALLATION INFORMATIO																								
METHOD OF IMPLEMENTAT					NCE		_																	
ADMINISTRATIVE LEADTIME			Mor		_			PRODU	CTION	I LEADTIN	ΛE:	12	. Mor		_									
CONTRACT DATES:	FY	1997:		Jan-96				FY 1998	:	N/A				FY	1999:	: <u></u>	N/A		_					
DELIVERY DATE:	FY	1997:		Jan-97				FY 1998	:	N/A	ı			FY	1999:	<u> </u>	N/A		_					
										(\$ in M	lillions	s)												
Cost:		or Years	F	Y 1995		Y 1996	F	Y 1997	F۱	/ 1998	F	Y 1999		Y 2000	F	Y 2001	F	Y 2002		Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT							3	0.012	5	0.022	4	0.020											12	0.054
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							3	0.012	5	0.022	4	0.020											12	0.054
INSTALLATION SCHEDUL	E:																							
FY 1996		FY 1997	,	FY	1998		FY	1999		FY 2000		FY	2001		FY	2002		FY 2003	3	TC				
& Prior	1	2 3		1 2	3	4 1		3 4	1	2 3		1 2	3	4 1		3 4	1	2 3			TO	TAL		
In		1 1	1	2 2	3 2	2 1	-															12		
Out		1	2	1 2	1	1 1	1	1 1													1	12		
												·												
																				P-C	3A			

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVID	DUAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	CV(N) AF	RRESTIN	G GEA	R		_	TYP	E MODIF	FICAT	ION:	RELI	ABILITY	/ MAI	NTAINA	BILITY	,	MOD	IFICATI	ION TI	TLE:	REC	- CROV W	'SS	
DESCRIPTION/JUSTIFICATION:																								
Recovery Service Change 425 redesigns the	ne weight:	setting se	elector	on the	Const	ant Run	Out V	alve (CR	ROV) d	console t	o redu	ce comp	lexity	, increas	e relia	bility, im	prove	ease of	use a	nd red	uce ov	erall suppo	ortability cos	ts.
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	NES:				NOT	APPLIC	ABLE					_										
	EV 1004	0 Dries		/ 1005		/ 1006		/ 1007		/ 1000	Ε.ν.	1000		/ 2000	ΓV	2004	Ε\.	2000	ΓV	2002		TO	TO	TAL
	FY 1994 QTY	\$		<u>/ 1995</u> \$		<u>′ 1996</u> \$		<u>/ 1997</u> \$	QTY	<u>Y 1998</u> ' \$	QTY	<u>1999</u> \$		<u>/ 2000</u> \$	QTY	<u>2001</u> \$	QTY	<u>2002</u> \$	QTY	2003 \$	QTY	<u>TC</u> \$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.001																0.001
INSTALLATION KITS							80	0.040											1				80	0.040
INSTALLATION KITS NONRECURRING																			1					
EQUIPMENT																			1					
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.030		0.020		0.012												0.062
OTHER - ILS								0.005		0.010		0.004												0.019
OTHER - ATE																			1					
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							20	0.020	20	0.023	20	0.024	20	0.025									80	0.092
TOTAL PROCUREMENT							80	0.095		0.053		0.040		0.025									80	0.213
	•				•	•	•	•		ITEM	130	P/	AGE	76							CLAS	SSIFICATION	ON: UNCL/	SSIFIED

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CLASSIFICATION: UNCLASS	SIFIEI	D																						
P3A (Continued)						INDIVIDU	AL M	ODIFICA	TION (Continue	d)													
MODELS OF SYSTEMS AFFE	ECTE	D: <u>CV(</u>	N) AF	RESTING	GEA	.R		_ MC	DIFIC	ATION TI	TLE:	REC - C	ROV	WSS							_			
INSTALLATION INFORMATIO	N:																							
METHOD OF IMPLEMENTAT	ION:	DEPOT																						
ADMINISTRATIVE LEADTIME	:	3	Mo				_	PRODU	CTION	I LEADTII	ΛE:	5	Mor		_									
CONTRACT DATES:	FY	1997:		Dec-96	i			FY 1998	:	N/A	١			FY	1999	:	N/A							
DELIVERY DATE:	FY	1997:		May-97	,	-		FY 1998	:	N/A	١			FY	1999	:	N/A		-					
										(\$ in N	lillions	s)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F۱	/ 1998	F	Ý 1999	F	Y 2000	F	Y 2001	F'	Y 2002	F	Y 2003	To C	Complete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT							20	0.020	20	0.023	20	0.024	20	0.025									80	0.092
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							20	0.020	20	0.023	20	0.024	20	0.025									80	0.092
INSTALLATION SCHEDUL	- .																							
FY 1996		EV 4003	,		4000		ΓV	4000	1	EV 2000		ΓV	2004		ΓV	2002	1	EV 2002		TO				
& Prior	1	FY 1997 2 3			<u>1998</u> 3			1999 3 4	1	FY 2000 2 3			2001 3	4 1		2002 3 4	\prod_{a}	FY 2003 2 3	4	TC	1	TAL		
In a Filot	H	10			10			3 4	╁		4	 		4		3 4	ŧ⊢ <u>'</u>		-4			30		
Out		10	20				5	5 5	5	5 5	5											30		
	·		20			.0		0 0		0 0	J	L					J				<u> </u>	-		
																				P-3	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	DUAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	CV(N) AF	RRESTIN	G GEAI	R		_	TYPE	MODIF	ICAT	ION:	RELL	ABILITY					MOD	IFICAT	ION T	ITLE:	REC	- ELECTR	IC FLUID P	PUMP
DESCRIPTION/JUSTIFICATION:																								
Recovery Service Change 421 replaces the Equipment (ALRE) Top Ten item.	arresting	gear Wo	obble p	ump wi	th an i	mprove	d desiç	gn that in	icreas	es syste	m effic	iency by	decre	easing sy	/stem	downtim	ie. Th	is is a∃	ΓΥΟΜ	design	ated A	Aircraft Lau	nch and Red	covery
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	ONES:				NOT	APPLIC	ABLE															
	<u>FY 1994</u> QTY	& Prior	<u>FY</u> QTY	1995 \$	<u>FY</u> QTY	<u>′ 1996</u> \$	<u>FY</u> QTY	<u>′ 1997</u> \$	<u>F\</u> QTY	<u>/ 1998</u> \$	<u>FY</u> QTY	1999 \$	<u>F\</u> QTY	<u>/ 2000</u> \$	<u>FY</u> QTY	<u>2001</u>	<u>FY</u> QTY	<u>2002</u> \$		2003	QTY	<u>TC</u> \$	<u>TO</u> QTY	OTAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.002														0.002
INSTALLATION KITS									60	0.120													60	0.120
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.035		0.018		0.021		0.015		0.008								0.097
OTHER - ILS								0.010		0.008		0.005		0.003										0.026
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP									*	0.020	17	0.085	26	0.133	17	0.089							60	0.327
								0.045	60	0.166		0.111		0.151		0.097							60	0.570

^{*} Installation funding based upon start of availability vice hardware availability.

CLASSIFICATION: UNCLAS	SIFIEI	D																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICAT	TION (Continue	d)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>CV(</u> I	N) AR	RESTING	GEA	R		_ МО	DIFIC	ATION TI	TLE:	REC - EI	LECT	RIC FLUI	D PUN	ИP					_			
INSTALLATION INFORMATIO	ON:																							
METHOD OF IMPLEMENTAT	ION:	"O" LEV	EL MA	AINTENAI	NCE																			
ADMINISTRATIVE LEADTIME	: :	3	Mor	nths			_	PRODUC	CTION	I LEADTIN	ΛE:	12	Mor	nths										
CONTRACT DATES:	FY	1997:		N/A	_			FY 1998	:	De	c-97			FY	1999		N/A							
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	De	c-98			FY	1999:	:	N/A	i.	_					
										(\$ in N	Million	c)												
Cost:	Pri	or Years	l F	Y 1995	T F	Y 1996	TF	Y 1997	F\	(\$ iii iv Y 1998	_	s) Y 1999	l F	Y 2000	l F	Y 2001	F	Y 2002	l F	Y 2003	To C	omplete	l .	Total
0031.	Qtv	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qty		Qtv		Qty	\$	Qty	\$	Qtv	\$	Qtv	\$
INSTALLATION SUPPORT	Qty	Ψ	Qty	Ψ	1 3.9		Q.y	Ψ	Qıy	0.010	Qty	0.025	Qty	0.025	Qıy	0.025	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	0.085
PRIOR YEARS					+		+			0.010		0.020		0.020		0.020								0.000
FY 1995 EQUIPMENT							+																	
FY 1996 EQUIPMENT					1 1		$\dagger \Box$																	
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									*	0.010	17	0.060	26	0.108	17	0.064							60	0.242
FY 1999 EQUIPMENT					1																			
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP										0.020	17	0.085	26	0.133	17	0.089							60	0.327
INIOTALI ATIONI COLIEDUI	_																							
INSTALLATION SCHEDUL		EV 4007	,		4000	———		4000	1	EV 2000		ΓV	2004		ΓV	2002	1	EV 2000		I TO				
FY 1996	'll ,	FY 1997			1998			1999	,	FY 2000			2001 3			2002	11 ,	FY 2003 2 3		<u>TC</u>		-		
& Prior	1 1	2 3	4	1 2	3	4 1	<u>2</u> 5	3 4 10 10	10	2 3 10 10	<u>4</u> 5	1 2		4 1		3 4	1	2 3	4	Н		TAL 60		
In Out							5	8 9		7 7	5 7	6 6	5									50		
Out	J L							0 9	5	/ /		6 6	5				l L			لــــان		50		
* Installation funding based	unon	start of av	ailahil	lity vice ha	ardwar	e availahi	lity																	
motanation randing bacca	ароп	olari or av	anabn	1100 110	Tamare	J a valiabil	.ty.																	
																				P-3	3A			

P3A		INDIVID	DUAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	ALL RAS	T SYSTE	MS			<u>.</u>	TYP	E MODIF	ICAT	ION:	RELI	ABILITY	/ MAI	NTAINA	BILITY	1	MOE	IFICATI	ON TI	TLE:	REC -	RAST R	SD BLK II IN	/IPROV
DESCRIPTION/JUSTIFICATION:																								
This Recovery Service Change to the Recorequirements.	overy, Assi	ist, Secu	ring an	d Trave	rsing ((RAST)	syster	n correct	ts Rap	oid Secur	ring De	evice (RS	SD) di	screpand	ies id	entified b	oy Fle	et users	which	will re	educe n	naintenan	ce man-hou	r
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	DNES:				NOT	APLLIC	ABLE															
	FY 1994 OTY	& Prior	<u>FY</u> QTY	199 <u>5</u> \$		<u>′ 1996</u> \$	<u>F\</u> QTY	<u>/ 1997</u> \$	<u>F\</u> QTY	<u>/ 1998</u> \$	<u>FY</u> QTY	1999 \$		<u>′ 2000</u> \$		<u>2001</u>		<u>/ 2002</u> \$	<u>FY</u> QTY	2003 \$	QTY	TC \$	<u>TO</u> QTY	TAL \$
FINANCIAL PLAN (IN MILLIONS)				<u> </u>						_				Ţ								<u> </u>		
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.007		0.007		0.007		0.007										0.007
INSTALLATION KITS							58	0.400	58	0.400	57	0.400	57	0.400									230	1.600
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE						0.266		0.125		0.038		0.038		0.038		0.023								0.528
OTHER - ILS						0.035		0.065		0.025														0.125
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
					1					0.044		0.044		0.044		0.014	22	0.044					000	0.070
INSTALL COST - Non-FMP									52	0.014	52	0.014	52	0.014	52	0.014	22	0.014					230	0.070

CLASSIFICATION: UNCLAS	SIFIE	D																							
P3A (Continued)						INDIV	IDUA	AL M	ODIFICA	TION	(Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: ALL	RAS	T SYSTE	MS				_ MC	DIFIC	CATION TI	TLE:	REC - R	RAST	RSD BLK	II IMP	ROV					_			
INSTALLATION INFORMATION																									
METHOD OF IMPLEMENTAT					IA																				
ADMINISTRATIVE LEADTIME			Moı		_						N LEADTII			7 Mo		.									
CONTRACT DATES:		1997:		11/30/9		_			FY 1998			/30/97				1999			/30/98	_					
DELIVERY DATE:	FY	1997:		6/30/97		-			FY 1998	3:	6/3	80/98			FY	′ 1999	:	6/3	30/99	_					
											(\$ in N														
Cost:	_	or Years		Y 1995	_	Y 1996			Y 1997	_	Y 1998		Y 1999		Y 2000		Y 2001		Y 2002		Y 2003		Complete		Total
	Qty	\$	Qty	\$	Qty	\$		Qty	\$	Qty		Qty		Qty		Qty		Qty		Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT											0.014		0.014		0.014		0.014		0.014						0.070
PRIOR YEARS																									
FY 1995 EQUIPMENT																									
FY 1996 EQUIPMENT																									
FY 1997 EQUIPMENT										52	*	6	*											58	*
FY 1998 EQUIPMENT												46	*	12	*									58	*
FY 1999 EQUIPMENT														40	*	17	*							57	*
FY 2000 EQUIPMENT																35	*	22	*					57	*
FY 2001 EQUIPMENT																									
FY 2002 EQUIPMENT																									
FY 2003 EQUIPMENT																									
TO COMPLETE																									
INSTALL COST - Non-FMP										52	0.014	52	0.014	52	0.014	52	0.014	22	0.014					230	0.070
INSTALLATION SCHEDUL	F.																								
		EV 1007	,		/ 1000			EV 4	1000	1	FY 2000			2001		ΓV	2002	1 —	FY 2003	,	TC				
FY 1996		FY 1997	-		<u>′ 1998</u>		4		1999	11 ,							3 4	11 4		-	10	Τ.	- A.I		
& Prior	1 1	2 <u>3</u> 13	- <u>4</u> 13	1 2	3 13	13	10	42	3 4 13 13	1 1	2 3 13 13	4	1 2 13 13	3	4 1		3 4	1	2 3	4	-		TAL		
In		13	13		3 13	13	13	13	13 13	13	13 13	13	13 13										230		
Out	J ∟			13 13	3 13	13	13	13	13 13	13	13 13	13	13 13	13	13 13	3 9		<u> </u>			Ш		230		
* Type Commander fund	led ins	stallation.																							
																					P-:	34			
									ı	TEM	130	PA	AGE 81						CL	ASSI			CLASSIFI	ED	

P3A		INDIVI	DUAL	IODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	CV(N) AF	RRESTIN	G GEAI	₹		-	TYP	E MODIF	ICAT	ION:	SAFE	TY / RE	LIAB	LITY			MOD	IFICAT	ION T	TLE:	REC	- NON-SV	VIVEL COU	PLING
DESCRIPTION/JUSTIFICATION:																								
Recovery Service Change 420 replaces the	e swivel co	oupling w	ith a no	n-swiv	el cou	plina fro	m the	current	arrest	ing gear	This	design s	ianific	antly red	duces r	naterial	and n	naintena	nce c	osts fo	r this h	nigh mainte	nance desig	n This is
TYCOM designated Aircraft Launch and R																								g
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	DNES:				NOT	APPLIC	ABLE															
	FY 1994	& Prior	FY	1995	FY	′ 1996	F۱	Y 1997	F۱	Y 1998	FY	1999	F`	Y 2000	FY	2001	FY	2002	FY	2003		<u>TC</u>	то	TAL
	QTY	\$	QTY			\$	QTY			\$	QTY		QTY		QTY		QTY			\$	QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)								0.004																0.004
INSTALLATION KITS							112	0.448															112	0.448
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE								0.043		0.030														0.073
OTHER - ILS								0.005		0.010														0.015
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT											1													
INICTALL COOT N. EMD		1									112	*	1						1				112	
INSTALL COST - Non-FMP																								

^{*} This is an Organizational Maintenance item with no associated FMP or NFMP installation costs.

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVID	JAL N	ODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>CV(</u>	N) AF	RESTING	GEA	R		мс	DIFIC	ATION TI	TLE:	REC - N	NON-S	WIVEL C	OUPL	ING					_			
INSTALLATION INFORMATION																								
METHOD OF IMPLEMENTAT	TION:	"O" LEV	EL M	AINTENAI	NCE		_																	
ADMINISTRATIVE LEADTIM	E:	3	3 Moi		_			PRODU	CTION	N LEADTII	ME:	1:	2 Mor											
CONTRACT DATES:	FY	1997:		Dec-96		_		FY 1998	3:	N/A				F١	<mark>/</mark> 1999	: <u></u>	N/A							
DELIVERY DATE:	FY	1997:		Dec-97		-		FY 1998	3:	N/A	١			F١	/ 1999	: <u> </u>	N/A	1	_					
										(\$ in N	/lillions	s)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F	Y 1998	F	Ý 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete	T	Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																								
PRIOR YEARS																							1	
FY 1995 EQUIPMENT																							1	
FY 1996 EQUIPMENT																							1	
FY 1997 EQUIPMENT											112	*											112	
FY 1998 EQUIPMENT																							1	
FY 1999 EQUIPMENT																							1	
FY 2000 EQUIPMENT																							1	
FY 2001 EQUIPMENT																							1	
FY 2002 EQUIPMENT																							1	
FY 2003 EQUIPMENT																							1	
TO COMPLETE																								
INSTALL COST - Non-FMP											112	*											112	
INSTALLATION SCHEDUL									_								_							
FY 1996	1 1	FY 1997	-		1998			1999		FY 2000	-		2001			2002		FY 2003	_	TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4		2 3	4	1 2	3	4 1	2	3 4	1	2 3	_ 4			TAL		
In				12 12	16			16 8														12		
Out	J L					22	2 30	30 30	J L								J L				1	12		
* This is an Organization	al Ma	intenance	item v	with no as:	sociate	ed FMP o	r NFM	P installat	ion co	sts.														
	_					_														_				
										400								<u> </u>	400:-		3A			
								ľ	TEM	130	PA	AGE	83					CL	.ASSIF	-ICATION	1: UN(CLASSIF	IED	

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL	MODIF	CATIO	ON																		
MODELS OF SYSTEM AFFECTED:	MK7-2 A	ND MK7-	3 ARR	ESTING	GEAR	t	TYP	E MODIF	FICAT	ION:	SAFE	TY / RE	LIABI	LITY		<u>.</u>	MOE	DIFICAT	ION TI	TLE:	REC	- AIRCRA	AFT WSIS	
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change 417 for the Aircra	aft Weight	Setting In	ndicat	ing Sys	tem (V	VSIS) re	places	the DIX	(ON m	neter / sy	nchro i	ndicato	r with a	a more r	eadab	le indica	ator th	at allows	s easie	r verifica	ation b	y the arre	sting gear or	erator that
all four arresting gear engines have the sam		ttings. M	lissetti	ing arre	sting g	jear eng	ines c	ould cau	se los	ss of airci	raft; or	ne EA-6	B Prov	wler loss	was a	attributed	d to m	issetting	the a	resting (gear e	ngines. T	he new indic	ators also
are more readable, reliable, and supportable	е.																							
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT I	MILESTO	NES:				NOT	APPLIC	ABLE					-										
	EV 4004	0 D-:	_	/ 4005	_	/ 4000	_	/ 4007	_	V 4000		4000	_	<i>,</i> ,,,,,,,	_	. 0004	_	<i>,</i> ,,,,,,,	_	, 0000		TO	то.	T A I
	FY 1994 QTY	\$ Prior		<u>/ 1995</u> * \$		<u>/ 1996</u> ' \$		<u>/ 1997</u> \$	QTY	<u>Y 1998</u> ′\$	QTY	1999 ©	QTY	<u>/ 2000</u> \$		<u>2001</u> \$		<u>/ 2002</u> \$	QTY	2003	QTY	<u>TC</u> \$	0TY	TAL ¢
FINANCIAL PLAN (IN MILLIONS)	QII	Ψ	T	Ψ	QII	φ	T	Ψ	Q I I	Ψ	Q I I	Ψ	T	Ψ	QII	Ψ	QII	Ψ	QII	Ψ	Q I I	φ		<u>Ψ</u>
RDT&E																								
<u>PROCUREMENT</u>																								
INSTALLATION KITS (UNIT COST)		0.018																						0.018
INSTALLATION KITS	8	0.144																					8	0.144
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																							1	
EQUIPMENT NONRECURRING																							1	
ENGINEERING CHANGE ORDERS																							1	
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																							1	
OTHER - PE		0.095						0.095		0.020														0.210
OTHER - ILS		0.011						0.011		0.011														0.033
OTHER - ATE																							1	
INTERIM CONTRACTOR SUPPORT																							1	
INSTALL COST - Non-FMP					1		8	0.424	1	0.030					1								8	0.454
TOTAL PROCUREMENT	8	0.250			1	1	Ť	0.530	1	0.061					1				1				8	0.841
										ITEM	130	P	AGE	84	4						CLAS	SSIFICAT	ION: UNCLA	ASSIFIED

CLASSIFICATION: UNCLAS P3A (Continued)	SIFIE	ט				INDIVIDI	JAL M	IODIFICA [*]	TION	(Continue	ed)													
r o, t (Continued)										(00111111111111111111111111111111111111	ω,													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>MK</u>	7-2 A	ND MK7-	3 ARR	ESTING (GEAR	_ MC	DIFIC	CATION TI	TLE:	REC - A	IRCR	AFT WSIS	3						_			
INSTALLATION INFORMATION																								
METHOD OF IMPLEMENTAT	ION:	VOYAG	E RE	PAIR TEA	M (VR	RT)	_																	
ADMINISTRATIVE LEADTIME			A Mo	nths	_			PRODU	CTIO	N LEADTII	ME:	N/A	A Mor		_									
CONTRACT DATES:	FY	1997:		N/A		_		FY 1998	:	N/A	١			FY	1999:		N/A		_					
DELIVERY DATE:	FY	1997:		N/A		- -		FY 1998	:	N/A	١			FY	1999:		N/A	l,	_					
										(\$ in	Millior	ns)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F	Y 1998		Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT								0.070		0.030										,				0.100
PRIOR YEARS							8	0.354															8	0.354
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							8	0.424		0.030													8	0.454
	_																							
INSTALLATION SCHEDUL									1	=\(\alpha\)										I ===	_			
FY 1996	11.	FY 1997			′ 1998			1999	Ш.	FY 2000			2001			2002	Ш.	FY 2003		TC				
& Prior	1	2 3	4_	1 2	3_	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2_	3 4	1	2 3	4	-		TAL		
In 8			_																			8		
Out	J L	3 2	3	1					J L]					J ∟					8		
																				P-:	3Δ			
																				F =-	υ/\			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL	MODIFIC	CATIO	N																		
MODELS OF SYSTEM AFFECTED:	RECOVE	RY EQUIF	PMEN	Т		<u>.</u>	TYPE	E MODIF	FICAT	ION:	RELIA	ABILITY	/ MA	INTAINA	BILIT	Y	MOD	IFICATION	ON T	ITLE:	REC	- MISC S/C	S	
DESCRIPTION/JUSTIFICATION:																								
This exhibit includes various Recovery Serv	vice Chan	ges procu	ıred o	r installe	ed with	prior ve	ear fur	ndina. of	limite	d dollar v	/alue. a	and futur	e vea	r procur	ement	s. Includ	led ar	e the Au	to Lu	brication	n Distr	ibutor. Eme	eraency Lov	v Pressure
Air Supply, In-Place Calibration, Barricade											,		, ,									,	3,	
	•					•	•																	
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	NES:				NOT	APPLIC	ABLE					_										
	FY 1994	0 Dries		′ 1995		1996		′ 1997		Y 1998	ΓV	1999		Y 2000		2001		2002	Ε.ν.	2003		TC	то.	TAL
	QTY	\$	QTY		QTY		QTY		QTY		QTY		QTY		_		QTY			<u>2003</u> '\$	QTY		QTY	<u>1AL</u> \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)				0.063						0.056						0.107		0.113		0.105				0.096
INSTALLATION KITS			21	1.331					8	0.450					14	1.500	20	2.252	60	6.300			123	11.833
INSTALLATION KITS NONRECURRING																							(
EQUIPMENT																							(
EQUIPMENT NONRECURRING																							ĺ	
ENGINEERING CHANGE ORDERS																								
DATA																							ĺ	
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																							ĺ '	
OTHER - PE				0.275		0.369		0.231		0.019						0.150		0.120		0.330				1.494
OTHER - ILS				0.104		0.063		0.023		0.312		0.085				0.100		0.100		0.150			ĺ	0.937
OTHER - ATE																0.050		0.060		0.075				0.185
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP	*	10.538	*	7.229	1	1.939	12	0.832	12	0.447	4	0.150			1	0.125	15	1.750	53	3.100	25	1.340	123	27.450
TOTAL PROCUREMENT		10.538	21	8.939		2.371		1.086	8	1.228		0.235			14	1.925	20	4.282	60	9.955		1.340	123	41.899
										ITEM	130	P	AGE	86	5						CLAS	SSIFICATIO	N: UNCLA	SSIFIED

* Various

CLASSIFICATION: UNCLASS	SIFIEI	D																						
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	ION ((Continued))													
MODELS OF SYSTEMS AFFE	CTE	D: REC	OVE	RY EQUIP	MEN	Г		_ МО	DIFIC	CATION TITL	.E:	REC - M	IISC S	/Cs										
INSTALLATION INFORMATIO	N:																							
METHOD OF IMPLEMENTAT	ION:	VRT ANI	D DE	POT																				
ADMINISTRATIVE LEADTIME	:	N/A	Mor	nths			_	PRODUC	CTION	N LEADTIME	Ē:	N/A	Mon	iths										
CONTRACT DATES:	FY	1997:		N/A	_			FY 1998		VAF	RIOUS	S		FY	1999		N/A							
DELIVERY DATE:	FY	1997:		N/A				FY 1998		VAF	RIOUS	S		FY	1999	<u> </u>	N/A							
										(Φ : NA:	U:	`												
Cost:	Dri	or Years	l =	Y 1995		Y 1996		Y 1997	l 6	(\$ in Mil FY 1998	_) Y 1999		Y 2000	T =	Y 2001		Y 2002	E,	Y 2003	To C	omplete		Total
Cost.	Qty	\$	Qty		Qty	\$	Qtv	\$	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	Qty	Ψ	Qty	Ψ	Qıy	Ψ	Qty	0.108	Qıy	0.075	Qty	0.050	Qıy	Ψ	Qty	0.025	Qty	0.050	Qty	0.100	Qty	Ψ	Qty	0.408
PRIOR YEARS	*	10.538	*	7.229				01100		0.0.0		0.000				0.020		0.000		000				17.767
FY 1995 EQUIPMENT					1	1.939	12	0.724	8	0.272													21	2.935
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									4	0.100	4	0.100											8	0.200
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT															1	0.100	7	1.272	6	0.500			14	1.872
FY 2002 EQUIPMENT																	8	0.428	12	0.675			20	1.103
FY 2003 EQUIPMENT																			35	1.825	25	1.340	60	3.165
TO COMPLETE							<u> </u>																	
INSTALL COST - Non-FMP	*	10.538	*	7.229	1	1.939	12	0.832	12	0.447	4	0.150			1	0.125	15	1.750	53	3.100	25	1.340	123	27.450
INICTALL ATION COLIEDUI	- .																							
INSTALLATION SCHEDUL FY 1996		FY 1997		EV	1998	———	EV	1999	1	FY 2000		EV	2001	————	EV	2002	1 -	FY 2003		TC	_			
& Prior	4	2 3	4	1 2	3	4 1	2	3 4	4	2 3	4	1 2		4 1	2	3 4	1	2 3	4	10	TO	ΤΛΙ		
In * 13	2	2 2	2	1	2	2 2	1		╎		-	 	1	3 4	4	6 8	15		18	2		23		
Out * 1	3	3 3	3	3 3	3	3 2	2	1 1					'	1 1	3	6 5		13 13	-			23		
		0 0										l I				0 0		10 10		20				
* Various																								
																				P-3	Α			

CLASSIFICATION: UNCLASSIFIED P3A		INDIVID	UALI	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	LRLS MI	K-15 MO	D 0 - 0	CV(N)			TYPE	MODIF	ICAT	ION:	IMPR	OVED C	APAE	BILITIES			MOD	IFICATI	ON TI	TLE:	LRLS	CV(N)		
DESCRIPTION/JUSTIFICATION:																								
The Long Range Line-Up System (LRLS) w	vill improv	e night ai	rcraft (carrier la	andino	perform	nance	by provi	dina tl	he pilot v	vith mo	re precis	se line	-up infor	matio	n at a di	reater	range	Ship A	Alteratio	ns 863	2 for CV's	and 8633 f	for CVN's
apply.	·p. · · ·	o mgm a				, po		υ, ρ.σ	ug	po.		. o p. o o. o		чро.		. a. a g.	·outo	.ago.	Jp /		000			0. 0 0
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTC	NES:				EDM	MS III -	JANU	IARY 199	98													
	FY 1994	8 Prior	EV	1995	EV	′ 1996	EV	′ 1997	=\	1998	EV	1999	EV	2000	EV	2001	EV	2002	EV	2003		TC	TO	TAL
	QTY	\$		\$						\$	QTY				QTY		QTY			\$		<u>1C</u> \$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E						3.049		3.925		0.871														7.845
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)										0.178		0.166												0.173
INSTALLATION KITS									6	1.069	5	0.830											11	1.899
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.261		0.465												0.726
OTHER - ILS										0.448		0.151												0.599
OTHER - ATE												0.035												0.035
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP										0.335	6	1.740	5	1.160									11	3.235

CLASSIFICATION: UNCLAS	SIFIEI	D																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICAT	TON ((Continued))													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>LRL</u>	S MK	(-15 MOD	0 - CV	′(N)		_ мо	DIFIC	ATION TITI	E:	LRLS C	√(N)								_			
INSTALLATION INFORMATIO	N:																							
METHOD OF IMPLEMENTAT	ION:	ALTERN	IATE	INSTALL	ATION	TEAM (A	IT)																	
ADMINISTRATIVE LEADTIME	Ē:	2	. Mo	nths			_	PRODUC	CTION	I LEADTIME	≣:	11	Mor	nths	_									
CONTRACT DATES:	FY	1997:		N/A	·	_		FY 1998:	:	11/9	97			FY	1999	:	11/9	98						
DELIVERY DATE:	FY	1997:		N/A		•		FY 1998:		10/9	98			FY	1999	:	10/9	99	_					
										(0: 14)														
	Б.			7/ 4005		7/ 4000	_	1/ 4007	_	(\$ in M			_	7/ 0000		7/ 0004		1/ 0000		7/ 0000	T- 0			T
Cost:	-	or Years		Y 1995		Y 1996		Y 1997		Y 1998		Y 1999		Y 2000		Y 2001	_	Y 2002		Y 2003		omplete		Total
INSTALLATION SUPPORT	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS															1				-					
FY 1995 EQUIPMENT			1												1				+		-			
FY 1995 EQUIPMENT			1												1				+		-			
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									*	0.335	6	1.450											6	1.785
FY 1999 EQUIPMENT										0.000	*	0.290	5	1.160									5	1.450
FY 2000 EQUIPMENT												0.200	Ť	1.100									Ĭ	1.100
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP									*	0.335	6	1.740	5	1.160									11	3.235
INSTALLATION SCHEDUL																								
FY 1996		FY 1997	-	F'	1998 <mark>/</mark>			1999		FY 2000			2001			2002		FY 2003	_	TC				
& Prior	1	2 3	4	1 2		4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4			TAL		
ln -					1	2	2	2	3	1												11		
Out	J [2	2	1 1	3	1 1]					11		
* Installation funding bas	od un	on EV of c	tart of	f availabili	tv vico	hardwara	dolive	Nr.																
mstallation funding bas	eu up	01111013	tart o	i avallabili	ty vice	naidwaic	uenve	zı y.																
																				P-3	3A			
								I I	ГЕМ	130	P/	AGE 89						CL	ASSIF	FICATION	: UNC	CLASSIFII	D	

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	DUAL	MODIFI	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	LRLS M	K 16 MO	D 0 - S	SHORE			TYPE	MODII	FICAT	ION:	IMPR	OVED C	CAPAI	BILITIES	<u> </u>		MOD	IFICATI	ION TI	TLE:	LRLS	S - Shoreba	ased	
DESCRIPTION/JUSTIFICATION:																								
The Long Range Line-Up System (LRLS) v	vill improv	e night a	ircraft	carrier la	anding	perforr	nance	training	at sho	re statio	ns by p	providing	the p	ilot with	more p	recise I	ine-up	informa	ation a	t a gre	ater ra	nge.		
DEVELOPMENT STATUS/MAJOR DEVELO	DPMENT I	MILESTO	DNES:				EDM	MS III -	JANL	JARY 199	98													
														•										
	FY 1994			′ 1995		1996		1997		/ 1998		1999		2000		2001		2002		2003		TC		TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
<u>PROCUREMENT</u>																								
INSTALLATION KITS (UNIT COST)										0.153		0.153												0.153
INSTALLATION KITS									5	0.765	5	0.765											10	1.530
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.260		0.466		0.832										1.558
OTHER - ILS										0.178		0.150		0.063										0.391
OTHER - ATE												0.035		0.075										0.110
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP									*	0.030	5	0.780	5	0.765									10	1.575
TOTAL PROCUREMENT									5	1.233	5	2.196		1.735									10	5.164
										ITEM	130	P	AGE	90)						CLAS	SIFICATION	ON: UNCLA	ASSIFIED

^{*} Installation funding based upon FY of start of availability vice hardware delivery and includes design services.

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVID	DUAL N	ODIFICA	TION	(Continue	d)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>LRL</u>	S MK	16 MOD () - SH	ORE		_ мс	DIFIC	CATION TI	ΓLE:	LRLS - S	Shorel	based							_			
INSTALLATION INFORMATI	ON:																							
METHOD OF IMPLEMENTA	TION:	ALTERN	IATE	INSTALLA	ATION	TEAM	(AIT)																	
ADMINISTRATIVE LEADTIN	E:	1	Mor	nths	_			PRODU	CTIO	N LEADTIN	ΛE:	11	Mor		_									
CONTRACT DATES:		1997:		N/A				FY 1998		11/9					1999		11/		_					
DELIVERY DATE:	FY	1997:		N/A				FY 1998	3:	10/9	98			FY	1999	: <u> </u>	10/	99	_					
										(\$ in N	lillion	s)												
Cost:	Pr	ior Years	F	Y 1995	F	Y 1996	F	Y 1997	F	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT									*	0.030	5	0.750											5	0.780
FY 1999 EQUIPMENT												0.030	5	0.765									5	0.795
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP									*	0.030	5	0.780	5	0.765									10	1.575
INIOTALL ATION COLUEDIA	. –																							
INSTALLATION SCHEDU		EV 4007			4000		ΓV	1000	1	EV 0000			0004			0000	-	EV 000		TC				
	- 1 1	FY 1997			1998			<u>1999</u>	\prod_{λ}	FY 2000			2001	٠, ١١,		2002	11 ,	FY 2003		10	т.	т		
& Prio		2 3	4	1 2	3	4	1 2	3 4	11	2 3	1	1 2		4 1	2	3 4	ا لــٰا	2 3	4	-		TAL		
In Out										2 2 2	1	2 2 1 2	2	1 2 2	2							10 10		
Out				l					J L		- 1				ı	2 2	J └──			-	Ш	10		
Installation funding ba	sed un	on FY of s	tart of	availahilit	v vice	hardwa	re deliv	ery and in	cludes	design se	rvice	s												
motaliation randing ba	oou up		iai i Oi	avanabilit	, vioc	naiawa	i o donvi	, and 1110	JiuuGa	acoign se	7100	.												
																				P-3	3A			
									TEM	130	P	AGE 91						CL	ASSIF			CLASSIFII	ED	

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UALI	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	NEW SY	/STEM -	CV(N)			_,	TYPI	E MODIF	FICAT	ION:	IMPR	OVED C	APAE	BILITIES	_		MOD	IFICATI	ON T	ITLE:	ADM	ACS / ISIS	- CV(N)	
DESCRIPTION/JUSTIFICATION:																								
The Aviation Data Management and Control	ol System	/ Integra	tad Sh	inhoard	Inforr	nation S	vetom	(ADMA)	CS / I	212) ic a	real-tir	ne confi	nurati	on mana	ned t	actical lo	cal a	roa notw	ork (I	AN) pr	ovidin	r connectiv	ity among a	II Air
Operations and Aircraft Launch and Recove																	roui a	ca netw	OIK (L	-, (1 4) Pi	Ovidini	y comiconv	ity among a	
	o., _qa.p.			om opa	000 01	, oa. a o	. (. 1)0.	Op /		0020		0 4.14 0			۰,۲۹۹	•								
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT I	MILESTO	NES:				NOT	APPLIC	ABLE															
	FY 1994	9 Drior	EV	1995		1996		/ 1997		/ 1998	EV	1999		2000	Ε\.	2001		2002	EV	2003		TC	TO ⁻	TAI
	QTY	\$		\$					QTY											\$	OTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)		T	1	Ψ	1	T T	1	<u>_</u> _	<u> </u>	T T	<u> </u>	Ψ	Q.1.1	<u> </u>	1	I T	Q.1.	Ψ	I	Ι	1	Ψ	T	Ψ
RDT&E						6.108		2.915		5.575		3.668									+		+	18.266
PROCUREMENT		-				0.100		2.913		3.373		3.000												10.200
INSTALLATION KITS (UNIT COST)												1.500		1.500		1.500					-			1.500
INSTALLATION KITS											3	4.500	3		4	6.000							10	15.000
INSTALLATION KITS NONRECURRING																0.000							1	10.000
EQUIPMENT																							1	
EQUIPMENT NONRECURRING																							1	
ENGINEERING CHANGE ORDERS																								
DATA																							1	
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE												1.430		1.416		1.400		0.001						4.247
OTHER - ILS										0.352		0.482		0.221		0.160		0.007						1.222
OTHER - ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP													2		4	2.835	4	2.179					10	6.434
TOTAL PROCUREMENT										0.352	3	6.412	3			10.395		2.187					10	26.903
										ITEM	130	P	AGE	92							CLAS	SSIFICATION	ON: UNCLA	ASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICA	TION ((Continue	;d)													
MODELS OF SYSTEMS AFFI	ECTEI	D: <u>NEV</u>	V SYS	STEM - C\	/(N)			_ MC	DIFIC	ATION TI	TLE:	ADMAC	S/IS	IS - CV(N)							_			
**3TALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD / <i>F</i>	AIT																				
ADMINISTRATIVE LEADTIME	Ξ:	1	Mor	nths			_	PRODU ⁽	CTION	N LEADTIN	ME:	11	1 Mor	nths	_									
CONTRACT DATES:	FY	1997:		N/A				FY 1998	5 :	N/A				FY	1999:	: <u></u>	11/9		_					
DELIVERY DATE:	FY '	1997:		N/A		•		FY 1998	3:	N/A	4			FY	1999:	:	10/9	99	_					
										(\$ in M	/lillion ^r	e)												
Cost:	Pri	ior Years	TF	Y 1995	TF	Y 1996	T F	Y 1997	T F	Υ 1998		Y 1999	TF	Y 2000	ΤF	Y 2001	F	Y 2002	F	Y 2003	То С	Complete	T	Total
	Qty		Qty		Qty	\$	Qty	\$	Qty	\$	Qty		Qty		Qty		Qty		Qty		Qty		Qty	\$
INSTALLATION SUPPORT			1	·	1			,		,		-		-	1	Ì		Ţ		-		-	+	
PRIOR YEARS							1														\top		$\uparrow \neg$	
FY 1995 EQUIPMENT		1																						
FY 1996 EQUIPMENT																	1							
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT													2	1.250	1	0.600							3	1.850
FY 2000 EQUIPMENT													*	0.170	3	1.750					!		3	1.920
FY 2001 EQUIPMENT	<u> </u>						!				ļ				*	0.485	4	2.179			!		4	2.664
FY 2002 EQUIPMENT	<u> </u>	<u> </u>		<u> </u>			!	L		L	<u> </u>				<u> </u>	<u> </u>		L				<u> </u>	<u> </u>	
FY 2003 EQUIPMENT	<u> </u>	<u> </u>		<u> </u>				L			<u> </u>				<u> </u>	L							<u> </u>	
TO COMPLETE	<u> </u>	ļ			\perp		 !	<u> </u>			<u> </u>	<u> </u>	<u> </u>		<u> </u>		<u> </u>		igsquare		$\perp \!\!\! \perp \!\!\! \perp \!\!\! \perp \!\!\! \perp \!\!\! \perp$	<u> </u>	!	
INSTALL COST - FMP		<u> </u>		<u> </u>	Ш		Ш	<u> </u>		L	'		2	1.420	4	2.835	4	2.179		<u> </u>	$\perp \!\!\! \perp \!\!\! \perp$	<u> </u>	10	6.434
INSTALLATION SCHEDUL	⊏ ∙																							l
FY 1996		FY 1997	,	FY	1998	$\neg \vdash$	FY	1999	1	FY 2000		FY	′ 2001	———	FY	2002	1	FY 2003		TC				
& Prior	1 1	2 3			3			3 4	1	2 3	4	1 2		4 1	2	3 4	\prod_{1}	2 3		``	то	TAL		
In	╁	<u> </u>	- —	ıŀ÷÷	<u> </u>	\dashv		<u> </u>	1 1	1 1	- —	1 1	- -		- 	$\frac{3}{1} \frac{7}{1}$	lŀ	. <u>-</u> -	- -			10		
Out				11					11 .	1	1	II ' i	1	2 1	1	1 1						10		
	J					— –				<u>_</u>		·					. —			'				
* Installation funding bas	ed upo	on FY of st	tart of	availabilit	y vice	hardware	e delive	ery and inc	cludes	design se	ervices	S.												
					•			•		· ·														
																				P-3	3A			

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	DUAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	MK 13 N	10D 0 (C	V(N))			_	TYPE	E MODIF	FICAT	ION:	ENH/	NCEME	NT	-			MOD	IFICATI	ON T	ITLE:	IFLO	LS - CV(N))	
DESCRIPTION/JUSTIFICATION:																								
The Improved Fresnel Lens Optical Landing	n System	(IFI OI S	\ renla	cae tha	avietin	na aircra	ft carr	ior Fracr	ا امر	ne Ontice	ll and	ling Syet	om (F	I () () v	ith ar	improve	nd dag	sian that	will n	rovide	increa	e ahila hae	cone dienlay	, cancitivity
with improved optics and stabilization. Ship									ici Lci	із Оршса	ai Laile	ing Oyst	CIII (I	LOLO, V	nui ai	illipiove	su ue.	sigir triat	. will P	iovide	ii ici ca	seu gilue s	sope display	, sensitivity
With improved optics and stabilization. Ship	Alleratio	113 0004	101 0 4	3 and C	000 10	or CVIVS	арріу																	
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT I	MILESTO	ONES:				EDM	I MS III -	ОСТО	OBER 19	98			-										
	FY 1994	& Prior	F۷	1995	ΕV	1996	ΕV	/ 1997	F١	1998	FΥ	1999	F١	2000	F۷	2001	ΕV	2002	FΥ	2003		TC	TO [*]	ΤΔΙ
	QTY	\$		\$			QTY		QTY		QTY						_	\$		\$	QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E						4.565	;	2.870)	1.93		0.400												9.765
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)												0.900		0.900										0.900
INSTALLATION KITS											5	4.500	5	4.500									10	9.000
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.205		0.466		0.423		0.375								1.469
OTHER - ILS								0.040		0.557		0.850		0.138		0.188								1.773
OTHER - ATE												0.035		0.037		0.005								0.077
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP											1	1.620	6	2.806	3	1.493							10	5.919
TOTAL PROCUREMENT								0.040		0.762	5	7.471	5	7.904		2.061							10	18.238
_				·				<u> </u>		ITEM	130	P	AGE	94				<u> </u>		·	CLAS	SSIFICATION	ON: UNCLA	SSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	JAL M	ODIFICA	TION (Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>MK</u>	13 MC	DD 0 (CV(N))			МС	DIFIC	ATION TI	TLE:	IFLOLS	- CV(I	N)							_			
INSTALLATION INFORMATION	ON:																							
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD - 9	SHIP ALT	ERATI	ON (SA)	_																	
ADMINISTRATIVE LEADTIMI			Mor				_	PRODU	CTION	I LEADTII	ME:	11	Mor		_									
CONTRACT DATES:		1997:		N/A				FY 1998		N/A					1999		11/9		_					
DELIVERY DATE:	FY	1997:		N/A				FY 1998	:	N/A	١			FY	1999	·	10/9	99	_					
										(\$ in N	Millions	z)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F'	Υ 1998	_	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		Ť		•		<u> </u>			π.,	*		0.030		0.120		0.143		Ť		<u> </u>		*		0.293
PRIOR YEARS																								
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT											1*	1.264	4	1.791									5	3.055
FY 2000 EQUIPMENT											*	0.326	2	0.895	3	1.350							5	2.571
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP											1*	1.620	6	2.806	3	1.493							10	5.919
INSTALLATION SCHEDUL	г.																							
FY 1996		FY 1997		EV	1998		EV	1999	1	FY 2000	1	EV	2001	-	EV	2002	1	FY 2003	2	TC				
& Prior	"	2 3			3	4 1		3 4	1	2 3	4	1 2	3			3 4	1 4	2 3		10	то	TAL		
In a Filor	╅┝╩			<u> </u>					$\frac{1}{1}$	2 2		1 2				3 4	+					10		
Out								1 '		1 2	3			1								10		
								· ·	J	<u> </u>							J							
* Installation funding bas	ed up	on FY of s	tart of	availabilit	v vice	hardware	delive	ry, includ	es Des	sign Servi	ces ai	nd Advanc	e Plai	nning.										
	•				•			•		J				J										
																				P-	3A			

РЗА		INDIVI	DUAL	MODIFI	CATIC	ON																		
MODELS OF SYSTEM AFFECTED:	MK 14 N	MOD 0 (S	SHORI	≣).		_	TYPI	E MODIF	FICAT	ION:	ENH/	NCEME	NT		_		MOD	IFICATI	IT NC	TLE:	IFLOI	_S - Shore	based	
DESCRIPTION/JUSTIFICATION:																								
The Improved Fresnel Lens Optical Landing with improved optics and stabilization.	g System	(IFLOLS) repla	ces the	existir	ng shore	e base	d Fresne	l Lens	S Optical	Landir	ig Syster	m (FL	OLS) wit	h an i	improved	l desi	gn that w	vill pro	vide ind	crease	d glide sco	ope display	sensitivity
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	DNES:				EDM	MS III -	ОСТ	OBER 19	998													
	FY 1994 QTY	& Prior	<u>F\</u> QTY	<u>/ 1995</u>	<u>FY</u> QTY	<u>′ 1996</u> \$	<u>F\</u> QTY	<u>′ 1997</u> \$	<u>F\</u> QTY	<u>/ 1998</u> \$	<u>FY</u> QTY	1999 \$	<u>F\</u> QTY	<u>/ 2000</u> \$		<u>/ 2001</u> ′\$	<u>FY</u> QTY	<u>′ 2002</u> \$		2003 \$	QTY	TC \$	<u>TO</u> QTY	OTAL \$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS (UNIT COST)												0.480		0.500		0.500								0.495
INSTALLATION KITS											5	2.400	7	3.500	7	3.500							19	9.400
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
OTHER - PE										0.205		0.465		0.423		0.375		0.330		0.188				1.986
OTHER - ILS								0.040		0.206		0.100		0.138		0.188		0.109		0.074				0.855
OTHER - ATE												0.035		0.037		0.040								0.112
INTERIM CONTRACTOR SUPPORT																								
INTERNIT CONTINACTOR SOLITOR																1					_			
INSTALL COST - Non-FMP												1.430	5	2.620	7	2.570	7	1.500					19	8.120

CLASSIFICATION: UNCLAS	SIFIEI	D																						
						INDIVID	UAL M	ODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>MK</u>	14 MC	DD O (SH	ORE).			_ MC	DIFIC	CATION TI	TLE:	IFLOLS	- Sho	rebased							_			
INSTALLATION INFORMATIO	DN:																							
METHOD OF IMPLEMENTAT	ION:	ALTERN	IATE	INSTALL/	NOITA	TEAM (A	AIT)																	
ADMINISTRATIVE LEADTIME			Mor				_ ′	PRODU	CTION	N LEADTII	ME:	11	Mor	nths										
CONTRACT DATES:	FY	1997:		N/A	_			FY 1998	3:	N/A	٨			FY	1999		11/9	98						
DELIVERY DATE:	FY	1997:		N/A				FY 1998	3 :	N/A	١			FY	1999	=	10/9	99	-					
										(\$ in N	/lillions	2)												
Cost:	Pri	or Years	F	Y 1995	l F	Y 1996	T F	Y 1997	F	Υ 1998		Y 1999	l F	Y 2000	l F	Y 2001	F	Y 2002	F	Y 2003	To C	Complete		Total
	Qty	\$	Qty	\$	Qtv	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qtv	\$	Qtv	\$	Qty	\$	Qty		Qty	\$
INSTALLATION SUPPORT				•	1	<u> </u>		T				0.030		0.120		0.120		0.050		<u> </u>	1	Ť		0.320
PRIOR YEARS																					1			
FY 1995 EQUIPMENT																					1			
FY 1996 EQUIPMENT																					T			
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT											*	1.400	5	1.100									5	2.500
FY 2000 EQUIPMENT													*	1.400	7	1.450							7	2.850
FY 2001 EQUIPMENT															*	1.000	7	1.450					7	2.450
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP												1.430	5	2.620	7	2.570	7	1.500			Ш_		19	8.120
INSTALLATION SCHEDUL	E.																							
FY 1996		FY 1997		FY	1998		FY	1999		FY 2000)	FY	2001		FY	2002	1	FY 2003		TC				
& Prior	1 1	2 3			3	4 1		3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TC	TAL		
In	l			<u> </u>		- $+$ $+$		<u> </u>	1	2 2		2 2		1 2		2	lĖ					19		
Out										2 2	1	1 2	2	2 2	1	2 2						19		
												·												
* Installation funding bas	ed upo	on ⊢Y of st	tart of	availabilit	y vice	hardware	e delive	ery.																
																				P-:	3A			

CLASSIFICATION: UNCLASSIFIED INDIVIDUAL MODIFICATION MODELS OF SYSTEM AFFECTED: MK 11-0, MK 12-0 V/STOL OLS TYPE MODIFICATION: PERFORMANCE MODIFICATION TITLE: V/STOL OLS DESCRIPTION/JUSTIFICATION: Vertical / Short Take-Off and Landing Optical Landing System (V/STOL OLS) installations on board LHA and LHD Class Ships and at V/STOL pilot training facilities. A total of eight units were delivered and installed in FY96. The remaining six units will deliver and install in FY-97. DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: I.O.C. 12/95 FY 1994 & Prior FY 1995 FY 1996 FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TC **TOTAL** QTY \$ QTY QTY QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ \$ \$ FINANCIAL PLAN (IN MILLIONS) RDT&E PROCUREMENT INSTALLATION KITS (UNIT COST) 1.039 1.039 INSTALLATION KITS 14 14.542 14 14.542 INSTALLATION KITS NONRECURRING **EQUIPMENT EQUIPMENT NONRECURRING ENGINEERING CHANGE ORDERS** DATA TRAINING EQUIPMENT SUPPORT EQUIPMENT OTHER - PE 0.300 0.050 0.040 0.040 0.430 OTHER - ILS 1.100 0.600 0.100 0.070 1.870 OTHER - ATE INTERIM CONTRACTOR SUPPORT INSTALL COST - Non-FMP 8 1.918 6 1.241 14 3.159 TOTAL PROCUREMENT 14 15.942 0.650 2.058 1.351 20.001

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CLASSIFICATION: UNCLAS	SIFIEI	D																						
P3A (Continued)						INDIVIDU	IAL M	ODIFICA	TION ((Continue	ed)													
MODELS OF SYSTEMS AFFE	ECTE	D: <u>MK</u>	11-0,	MK 12-0 \	V/STO	L OLS		MC	DIFIC	ATION TI	TLE:	V/STO	L OLS	3							_			
INSTALLATION INFORMATIO	ON:																							
METHOD OF IMPLEMENTAT	ION:	VOYAG	E REF	PAIR TEA	MS (V	RT)																		
ADMINISTRATIVE LEADTIME	Ē:	N/A	A Mor	nths				PRODU	CTION	I LEADTII	ME:	12	2 Mor	nths										
CONTRACT DATES:	FY	1997:		N/A	_			FY 1998	3:	N/A	١			F	<u>Y</u> 1999:		N/A	١						
DELIVERY DATE:	FY	1997:		N/A				FY 1998	3:	N/A	١			F	Y 1999:	_	N/A	l	_					
										(\$ in N	/lillions	s)												
Cost:	Pri	or Years	F	Y 1995	F	Y 1996	F	Y 1997	F'	Y 1998	F	Ý 1999	F	Y 2000	F'	Y 2001	F	Y 2002	F	Y 2003	To C	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		·		•		•		T T	1			T		•	,	*	,	T T	,	•	,			,
PRIOR YEARS					8	1.918	6	1.241															14	3.159
FY 1995 EQUIPMENT																								
FY 1996 EQUIPMENT																								
FY 1997 EQUIPMENT																								
FY 1998 EQUIPMENT																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP					8	1.918	6	1.241															14	3.159
INSTALLATION SCHEDUL	.E:																							
FY 1996		FY 1997	,	FY	1998		FY	1999		FY 2000)	FY	2001		FY:	2002		FY 2003	}	TC				
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2	3	4		3 4	1	2 3	4		TO	TAL		
In 8	2	3 1																			1	4		
Out 8	2	3 1]				1	14		
																				P-3	3A			

UNCLASSIFIED CLASSIFICATION:

Exhibit P-20, Requireme	nts Study		API	PROPRIATION/BL	JDGET ACTIVIT	Υ	DA ⁻	ГЕ:	
			отн	ER PROCUREMENT, NAVY	/ BA 3 AVIATION SUPP	ORT EQUIPMENT		February	1998
P-1 ITEM NOMENCLATURE	Ī		Admin Le	eadtime (after Oct1):	Prod	d Leadtime :	•	
AIRCRAFT LAUNCH	AND RECOVERY EQUIPME	NT (ALRE) - 43SJ			1 Month			11 M	onths
			•			•			
SJ260 AS/32P-25 Fi	re Truck	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			50	14					
Unit Cost			175	185					
Total Cost			\$8,750	\$2,590					
Asset Dynamics									
Beginning Asset Position					22	64	64	64	64
Deliveries from all prior year									
Deliveries from FY 1997 fund	ding			22	28				
Deliveries from FY 1998 fund	ding				14				
Deliveries from FY 1999 fund	ding								
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti	ons/etc.								
End oy Year Asset Position	n			22	64	64	64	64	64
Inventory Objective or Curre	nt Authorized Allowance	64	64	64	64	64	64	64	64
Inventory Objective	Actual Training	Other than Traini	ng	Disposals		Vehicles Eligibl		Aircraft:	
64	Expenditures	Usage		(Vehicles/Other))	FY 1998 Replac	cement:	TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligibl		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac	cement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augme	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:					·			Storage:	
Remarks:									

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CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86

FY 1998/99 BUDGET PRODU	CTION	SCHE	DULI	E, P-2	1													DATE				ebr								
APPROPRIATION/BUDGET AG OTHER PROCUREMENT, NA			ΊΑΤΙΟ	N SU	PPOR	TE	QUIF	РМЕ	ENT			'	Wea	apon	Sys	stem	1		ITE!							OVEI	RY E	.QUII	PME1	۷T
							Pro	duct	ion l	Rate)							nt Le	eadtir	nes										
Item		Name		.ocatic	n		SR		8-5		AX		T Pr Oct			T At			Initia fg Pl			eord Ifg P			Tot			Mea	nit of asure	е
AS/32P-25 Fire Truck	Entwh	nistle; l	Hudsor	n, MA		1		5	<u> </u>	5)		8			6			13			13			19)		Mo	nths	
																												<u> </u>		<u> </u>
				<u> </u>					F	ISCAL	_ YEA	R 199	7									FISC	CAL Y	EAR	1998					 T
ITEM / MANUFACTURER	F	S	Q	D	В		1996							NDAR	YEAI	R 199	97									/EAR	1998			
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	U	J U L	A U G	S E P	B A L
AS/32P-25 Fire Truck AS/32P-25 Fire Truck	97 98		50 14	0	50 14							Α								Α					3	4	5	5	5	28 14
ITEM / MANUFACTURER	F	s	Q	D	В		1998			FISC	JAL Y	EAR 1		NDAR	YEAI	2 190	10					FISC	CAL Y			' 'EAR	2000			
TEM MANOL ACTORET	Y	V C	T Y	E	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A	J	J U L	A U G	S E P	B A L
AS/32P-25 Fire Truck AS/32P-25 Fire Truck	97 98		50 14	0	28 14	5	5	5	5	5	3 5	5	4																	0
Remarks:																														
Nonara.																														

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO 130 PAGE 101 Exhibit P-21 Production Schedule

CLASSIFICATION:

UNCLASSIFIED

			BUDGET	ITEM JUST	IFICATION	SHEET				DATE:			
				P-4	10						Februa	ry 1998	
APPROPRIATION/BU	DGET ACTIVI	ITY						P-1 ITEM NO	MENCLATURE	Ī	Predator U	AV Defense	
OTHER PROCUR	EMENT, NA	VY/BA	3 - AVIATIO	N SUPPOR	T EQUIPME	NT			Airborn	e Reconnai	ssance Pro	gram (DARF	P) - J3D1
Program Element for 0	Code B Items:							Other Related	Program Elen	nents			
	Prior	ID										То	
	Years	Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY													
COST (In Millions)	*		*	*	\$7.8	**	**	**	**	**	**	**	**

Funding in the Navy Predator Unmanned Aerial Vehicle (UAV) line provides for the procurement of the UAV Common Automatic Recovery System (CARS) for several UAV systems.

The purpose of the UAV CARS program is to provide an automated recovery system for all classes of UAVs that will reduce operational mishaps, operator fatigue, operator training, and associated costs. The UAV CARS is a millimeter-wave-tracking radar system that provides system position data to recover UAVs automatically. UAV CARS consist of one track subsystem and airborne subsystems for installation in UAV air vehicles with an option for a ship motion sensor. The Pioneer system was initially selected for fielding of the UAV CARS. FY1997 funds the initial acquisition of UAV CARS for Predator and Tactical UAV systems. This program requires that a Predator air vehicle and ground control station assets be available during the 21 April 1998 through 14 September 1998 time frame to support systems integration/tests and demonstration.

*Prior to FY1997 the Predator program was budgeted in the Procurement Defense-Wide appropriation.

**Except for the UAV CARS initial acquisition beginning in FY1997, the Predator program is budgeted by the Air Force.

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CLASSIFICATION:

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DD Form 2454, JUN 86

CLASSIFICATION: UNCLASSIFIED

	WEAP	ONS SY	STEM COS	T ANALYS	IS				Weapon Sy	/stem							DATE:	
			P-5														Febru	ary 1998
_	PRIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM NO		URE/SUBHE						
	Procurement, Navy											UAV Defe						
BA3 - A	AVIATION SUPPORT EQUIPMENT	1									Reconna	issance P	rogram (E)ARP) - J	3D1			
			TOTAL COS	ST IN THOUS	SANDS OF	DOLLARS												
COST	ELEMENT OF COST	ID	Prior		FY 1995			FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code																
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	UAV CARS CARS Units Logistics					:			:	7	866	6,062 1,772			**			
* Prior to	FY1997 the Predator program was budgeted	in the Pi	rocurement De	efense-Wide	Appropriati	on. I												
** Except	for the UAV CARS initial acquisition, beginni	ng in FY	1997 the Pred	lator progran	n is budgete	d by the Air F	orce.											
			0			0			0			7,834			0			1
DD FORM	M 2446, JUN 86	P-1 Sh	HOPPING LIS	Т											CLASSIFICA	ATION:		

DD FORM 2446, JUN 86 P-1 SHOPPING LIST ITEM NO. PAGE NO. 2

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

DD Form 2446-1, JUL 87

BUDGET PROCURE	MENT HISTO	DRY AND	PLANNING EXHIBIT	Γ (P-5A)		Weapon System		A. DATE		
									February 19	98
B. APPROPRIATION/BUDG					C. P-1 ITEM NON				SUBHEAD	
Other Procuremen	nt, Navy				Predator U	AV Defense Airborne			J3	D1
BA3 - AVIATION S	SUPPORT E	QUIPME	NT		Reconnaiss	sance Program (DAR	P)			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Predator UAV		(000)								
FY1997 - CARS	7	866	PEO(CU) - UAV JPO		SS/FFP	Sierra Nevada Corp., Sierra Nevada	Sep 97	Oct 98	No	Feb 98
D. REMARKS										

ITEM NO.

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P-1 SHOPPING LIST

FY 1998/99 BUDGET PRODU	ICTION	SCHE	DULI	E, P-2	1													DATI	=		F	ebr	uary	199	98					
APPROPRIATION/BUDGET A												\	Nea	pon	Sys	stem)	P-1	ITE	ΜN	IOM	ENC	CLA	ΓUR	E					
OTHER PROCUREMENT, NA	VY/BA3	- AVI	ATIO	N SUF	PPOR'										D							nse Air	rborne	Recor	naissa	nce Pro	ogram	(DARP)) - J3D	1
	1	11-	44.				Prod	duct	ion i	Rate)	۸۱.	T D.						adti				1				ı		: - 6	
Item			ufacti	ocatio	'n	1.4	SR	1 (3-5	MA	۸٧		T Pr Oct			T A			Initia fg Pl			eord fg P			Tota	s.I		Mea	it of	
JAV CARS	SNC,			.ocalic	<i>/</i> 11		/A	N,		N/		10	OCI	-	,	11	<u> </u>	IVI	13	<u> </u>	IVI	ig F	<u> </u>		24			E	15UI	
JAV CARO	0140,	OlCili	a, iv			1 1	//	1 1/		1 1/						- ' '			10									<u> </u>		
																														_
					ı																									_
ITEM / MANUFACTURER	F	S	Q	D	В		1996		F	ISCAL	_ YEA	R 199		IDAB	VEAR	R 199	7				I	FISC	CAL Y			EAR 1	000			
TIEM / MANOFACTURER	Y	> V	T	E	A	0	N	D	J	F	М	A	M	IDAK	J	A 199	s	0	N	D	J	F	М	LENL	M	J	998 J	Α	s	
		С	Υ	L	L	С	0	Е	Α	E	Α	Р	Α	U	Ü	U	Е	С	0	E	Α	E	Α	Р	Α	U	U	U	Е	
	E) (0.7					Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	L
JAV CARS	FY97	AF	7	0	7												Α											-		
																														l
																														L
																												-		
																												-		
										FISC	AL YI	EAR 1	999									FISC	CAL Y	EAR	2000		-			t
ITEM / MANUFACTURER	F	s	Q	D	В		1998							IDAR	YEAF	R 199	9									EAR 2	2000			
	Υ	V	T	E	A	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	
		С	Υ	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E	A N	E B	A R	P R	A Y	U N	U L	U G	E P	•
JAV CARS	FY97	AF	7	0	7	2	2	2	1		IX	IX	•	- 11		0	'	<u>'</u>	V	0	11		1	IX	'	IN	-		'	
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Remarks:																														

311 / 244

CLASSIFICATION:

UNCLASSIFIED

			BUDGET	ITEM JUST	IFICATION	SHEET				DATE:			
				P-4	0						Februa	ry 1998	
APPROPRIATION/BUDG	GET ACTIVI	TY						P-1 ITEM NO	MENCLATURE	: Pioneer U	AV Defense	Airborne	
OTHER PROCURE	MENT, NA	VY/BA	-3 - AVIATIO	ON SUPPOR	RT EQUIPME	ENT				Reconnais	sance Prog	ram (DARP)	- J3D2
Program Element for Co	de B Items:							Other Related	Program Elem	ients			
	Prior	ID										To	
	Years	Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY													
COST													
(In Millions)	*		*	*	\$25.0	**	**	**	**	**	**	**	**

The Pioneer UAV System provides near-real-time reconnaissance, surveillance, target acquisition (RSTA) and combat assessment (CA) within line-of-sight of a ground control station, both day and night. The Pioneer UAV provides high quality video imagery to ground processing stations via datalink. Nine Pioneer systems are fielded. Six systems support U.S. Navy operations, including current testing/evaluation and deployment aboard three configured LPD ships; two systems support U.S. Marine Corps land based operations, and the remaining system supports training requirements. The Pioneer finding provides: replenishment spares needed to improve reliability and maintainability to achieve 85% readiness and replenish Unit Support Kits (USKs); readiness impact items that are required to maintain systems safety changes or correct critical system deficiencies resulting from emerging obsolescence; ability to maintain the readiness posture of operationally deployed systems; and improvements to meet requirements generated from Desert Storm, Somalia, and Bosnia operations lessons learned. In FY1996 procurement funds were used to buy critical spare parts and obsolescence engineering change proposals (ECPs). In FY1997 procurement funds were used to buy payloads, attrition spares and engineering change proposals such as plotter ECP, TCU air conditioner ECP, PCS autotracking ECP, engine improvements and shipboard antennas. In FY1998 funds are for air vehicles, payloads and ECPs that provide better weather resistance, flotation and locator transmitter, further engine improvements or replacement engine procurement, circuit board ECPs, intelligence bay ECP and obsolescence ECPs. FY1999-FY2002 procurement funds will buy payloads and support and equipment to maintain the Pioneer system. This profile supports the present TUAV transition schedule that effectively extends Pioneer through FY2003.

P-1 SHOPPING LIST CLASSIFICATION:

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^{*} Prior to FY1997 the Pioneer program was budgeted in the Procurement, Defense-Wide appropriation.

^{**} In FY1998 and beyond Pioneer is budgeted in the Weapons Procurement, Navy (WPN) appropriation.

CLASSIFICATION: UNCLASSIFIED

	WEA	PONS SY	STEM COS	T ANALYS	IS				Weapon Sy	ystem							DATE:	
			P-5														Fe	b-98
	PRIATION/BUDGET ACTIVITY								ID Code	-		JRE/SUBHEA	D					
	Procurement, Navy									Pioneer UA				_				
3A-3 - A	AVIATION SUPPORT EQUIPMENT		1							Reconnais	ssance Po	gram (DAI	RP) - J3D2	2				
			TOTAL COS	T IN THOUS	SANDS OF D	OOLLARS												
COST	ELEMENT OF COST	ID	Prior		FY 1995			FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code	Years															
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cos
	Pioneer Sustem																	
	Hait Command Handress		١.									0.000			**			
	Unit Support Hardware Production Support		*						,	*		8,300 3,676			**			
	Air Vehicles		*			*			,	*		5,0.0			**			
	Payloads		*			*				* 20	252	5,042			**			
	Engineer Change Proposals (ECPs)		*			*			,	*		8,014			**			
Prior to	FY1997 the Pioneer program was budgeted	in the Proc	urement Defe	nse-Wide ap	propriation.													
* In EV1	 998 and beyond Pioneer is budgeted in the \	 Noapone B	rocuroment N	avv (M/DNI)	 appropriation													
1111111		Veapons r		avy (WEIN)	appropriation	i. 												
	<u> </u>		_			_						25,032						
D FOR	M 2446, JUN 86	P-1 SH	OPPING LIST	<u> </u>	l		l	l		<u>'</u>	<u> </u>	20,032		l	CLASSIFICA	TION:	1	<u> </u>

P-1 SHOPPING LIST

ITEM NO. 132 PAGE NO. 2

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	DRY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE	Feb-98	
B. APPROPRIATION/BUDG Other Procurement, BA-3 - AVIATION	Navy	QUIPME	NT			IENCLATURE / Defense Airborne ance Program (DARP)			SUBHEAD	D2
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Pioneer UAV										
FY1997 - Payloads	20	252	PEO(CU) - UAV JPO	Mar 97	SS/FFP	Pioneer UAV, Inc. Hunt Valley, MD	May 97	Mar 98	Yes	
D. REMARKS					120					

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 132 PAGE NO. 3

FY 1998/99 BUDGET PRODUC			EDULF	Ξ, P-2′	1													DATE	Ξ		F	Febr	uary	/ 199) 8					
APPROPRIATION/BUDGET AC	TIVITY	7										'	Wea	apor	ı Sys	stem	1	P-1	ITE	MN	ЮM	IENC	CLA	ΓUR	E					
OTHER PROCUREMENT, NAV	Y/BA3	- Avi	ation	Supp	ort Eq	uipi	men					İ						Г	Pione	er UA\	V Def	ense /	Airbor	ne Re	conna	issand	ce Prc	gram	(DAR	P)
							Prod	duct	ion I	Rate					Pro	cure	mer	nt Le	eadti	mes				1						
		Mar	nufactu	urer's								AL	T Pi	rior	AL	T At	fter		Initia	al	R	eorc	der					Un	it of	
Item	1	Name	and L	.ocatio	'n	MS	SR	1-8	8-5	MA	λX	to	Oct	: 1	(Oct '	1	M	fg Pl	LT		lfg P			Tota	al		Mea	asure	e l
Payload			AV, Inc			N/A		N/A		N/A						7			9			-3		1	16			Е		
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ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		1996		ļ				ALEN	IDAR	YEAF	199		4			!	1	1	LEND	AR YI	EAR 1	998	т—		В
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Payload	FY97		20	0	20						\dashv		Α							H		†	4	4	4	4	4			0
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										FISC	AL YE	EAR 1	999									FISC	CAL Y	'EAR	2000					
ITEM / MANUFACTURER	F	S	Q	D	В		1998		<u> </u>			С	ALEN	IDAR	YEAF	199	9				<u> </u>		CA	LEND	AR Y	EAR 2	2000			
	Υ	V C	T Y	E L	A L	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B A
		C	'	-		C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E	L
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Remarks:																														

В	UDGET ITEM JUSTIFIC	CATION SHE	ET						DATE	Februa	ry 1998
APPROPRIATION/B OP,N - BA3 AVIATIO	BUDGET ACTIVITY ON SUPPORT EQUIPMENT				I		P-1 ITEM NOM			SUBHEAD 53SP	
	PY *		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TO COMP	TOTAL
QUANTITY											
COST (in millions)	\$172.6		\$16.3	\$17.4	\$32.9	\$31.9	\$32.3	\$33.1	\$33.4	Cont.	Cont.

^{*} Note: PY represents FY 1990 -1996.

PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

This item provides new and replacement meteorological equipment for all Naval/Marine Corps Air Stations and all Navy ships and other activities required to take weather observations and provide safety of flight information. The procurement has been thoroughly coordinated with the other DOD and civilian agencies. Equipment is funded under the following programs:

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX and the GEOSAT Follow-On (GFO). The upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement. \$.93 million in FY-98 and \$4.2 million in FY-99 will support various processor, printer, peripherals and antenna upgrades to AN/SMQ-11 systems.

The Mini-Rawin System (MRS) is a portable commercial off-the-shelf upper air sounding system used to measure pressure, temperature, humidity and wind speed and direction from the surface to the lower stratosphere. \$.8 million in FY-96 (60 units) and \$.9 million in FY-97 (68 units) supports the upgrade of existing units to enable use of the Global Positioning System (GPS).

The Automated Surface Observing System (ASOS) is an automatic system used to sense, collect, display and disseminate real time meteorological information at both Navy and Marine Corps Air stations and remote sites such as weapon ranges and port facilities. \$3.4 million (16 systems) in FY- 96 was executed for ASOS.

The Tactical Environmental Support Systems (TESS) Upgrade - Procure workstations, servers, input/output control devices, CPUs and back planes to replace original equipment for evolutionary acquisition block upgrades. \$8.3 million in FY-96, \$7.3 million in FY-97, \$7.7 million in FY-98 and \$11.3 million in FY-99 supports the TESS evolutionary acquisition Upgrade. TESS software is required to be upgraded to Windows environment with a C2 Secure Operating System as required for cutover of connectivity to DON/DISNET. Associated hardware upgrades that are required include CPU cards, RAM memory, clock, BUS, disk storage and disk controllers. TESS Upgrades planned for FY 96-99 include Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO) and the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland and Rota Spain, and at afloat and ashore sites.

Shipboard Meteorological and Oceanographic Observing System (SMOOS) P3I will provide Upgrades to existing suites to add smaller sensors such as radiometers, \$.2 million in FY-96. \$.7 million in FY-99 is budgeted for MORIAH sensor upgrades. MORIAH is a major block upgrade consisting of shipboard environmental sensors, automated data acquisition and processing system, multiple system interface and displays.

Fleet Marine Force Meteorological Equipment - Meteorological Equipment required to upgrade and replace the existing Meteorological Mobile Facilities (METMF). The METMF Replacement (METMF (R)) will a fully integrated system capable of automatic data acquisition from communications channels providing METOC data, meteorological satellite, meteorological Doppler radar and local and remote meteorological sensors. The METMF (R) will be equipped to support Marine Air-Ground Task Force (MAGTF) operations world wide.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 1 Exhibit P-40

UNCLASSIFIED CLASSIFICATION

BUDGET ITEM JUSTIFICATION SHEET (CONTINUATION)

DATE February 1998

APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	SUBHEAD
OP,N - BA3 AVIATION SUPPORT EQUIPMENT	METEOROLOGICAL EQUIPMENT 422600	53SP

Miscellaneous Meteorological Equipment - General Purpose Met Equipment covered unscheduled purchase of items such as: laser recorders, facsimile recorders, runway temperature instruments, special tape recorders, power supplies, printed circuit module, etc.

The Navy Integrated Tactical Environmental Subsystem (NITES) provides tactical environmental support to non-TESS (3) ships and ashore command and control and other facilities by establishing remote workstations that provide inputs to mission planning systems and tactical decision aids. NITES merged into the TESS Upgrade in FY-96. \$7.1 million (101 systems) in FY-95 was executed for NITES.

The Next Generation Radar (NEXRAD) Remote includes all hardware and software required for the request, display, local storage and local annotation and distribution of weather/storm data from National Weather Service, Federal Aviation Administration and Air Force weather radars. The Navy procures remote user processors, not complete radars. \$1.5 million (5 systems) in FY-95 was executed for NEXRAD.

The Supplemental Weather Radar (SWR) is a small, light weight, COTS Doppler radar system that will be located at sites where NEXRAD coverage is not available to Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or moving towards USN and USMC units. \$.98 million in FY-96 (1 unit) and \$2.3 million in FY-97 (3 units) and \$3.5 million in FY-99 (5 units) is utilized for the procurement of SWR.

METOC Air, Surface, Undersea Reconnaissance Equipment (MEASURE) is comprised of a diverse suite of off-board sensors and associated processing systems. MEASURE is used to obtain critical METOC data in denied or remote areas. \$1.2 million in FY-99 will provide ship/aircraft deployed drifting buoys and aircraft deployed hinterland clandestine micro sensors.

Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed, multi-agency procured safety of flight equipment, such as NEXRAD and ASOS, installed at all Navy and Marine Corps Air facilities worldwide. In FY-99, \$1.0 million will provide required system upgrades developed by the lead agency (in most cases, the National Weather Service). These periodic GOTS/COTS upgrades are essential to the continued use of the equipments.

Training Support - Necessary to train the initial cadre of instructional personnel with the end item.

Installation of Equipment - Installation efforts include plans, site surveys, BESEPS, equipment installation and checkout.

MODIFICATION SUMMARY (\$M)

Listed below are the costs (i.e. hardware and installation) for equipment being procured in this line item that have associated installation costs budgeted:

EQUIPMENT.	<u>FY97</u>	FY98	FY99	FY00	FY01	FY02	FY03
MRS UPGRADE ASOS	1.2 0.3						
TESS UPGRADES	0.3 10.0	10.6	14.5	14.0	13.9	14.6	15.4
NITES	10.0	10.0	14.5	14.0	13.9	14.0	15.4
SMOOS P3I			0.7	5.7	6.0	6.9	7.2
SUPPLEMENTAL WEATHER RADAR	2.3	0.9	3.6				
AN/SMQ-11							
AN/SMQ-11 UPGRADES		1.5	5.9	4.5	5.1	5.0	4.9
AVIATION SAFETY SYSTEM UPGRADES			1.1	1.2	1.4	1.5	1.6
Total	13.8	13.0	25.8	25.4	26.4	28.0	29.1

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Exhibit P-40

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COST ANALYSIS

DATE:
February 1998

 B. APPROPRIATION/BUDGET ACTIVITY
 C. P-1 ITEM NOMENCLATURE
 SUBHEAD

 OP,N - BA3 AVIATION SUPPORT EQUIPMENT
 METEOROLOGICAL EQUIPMENT 422600
 53SP

							TOTAL	COST	IN THO	OUSANDS (OF DO	LLAR S							
				PY*		FY 1	995		FY 19	996		FY 1	997		FY 1	998		FY 1	999
COST		IDENT							1			1						1	
CODE	ELEMENT OF COST	CODE	QTY	TOTAL	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL	QTY	UNIT		QTY		TOTAL	QTY	UNIT	TOTAL
				COST		COST	COST		COST	COST		COST	COST		COST	COST		COST	COST
CD0E4	ANI/CNAO 44 LIDODADEC CDACE	_												\/AD		000	\/AD		4.400
	AN/SMQ-11 UPGRADES - SPACE	A									00	14	005	VAR		929	VAR		4,182
	MRS UPGRADES	A									68	14	925						
	NEXRAD	A																	
SP130		A											7.000	\		7.004			44.004
	TESS UPGRADES	A									VAR		7,266	VAR		7,691	VAR		11,284
SP195		A																	
	SMOOS P3I - MORIAH	A															VAR		665
	MET EQUIPMENT	N/A									VAR		2,472	VAR		5,283	VAR		5,950
1	GP EQUIPMENT	N/A									VAR		132				_		
	SUPPLEMENTAL WEATHER RADAR	N/A									3	776	2,327				5	702	3,512
	MEASURE	N/A															VAR		1,198
	AVIATION SAFETY SYS UPGRADES	N/A															VAR		1,028
SP666	TRAINING SUPPORT	N/A																	
	INSTALL SHORE	N/A									VAR		1,901	VAR		1,167	VAR		1,317
SP777	INSTALL SHIP	N/A									VAR		1,304	VAR		2,341	VAR		3,756
	INSTALL															2,221			3,634
	DSA															120			122
	TOTAL PROGRAM		16,327													17,411			32,892
	TOTAL TROOTSAIL																		
	* Note: PY represents FY 90 - 94																		
	1/ The amount identified against this co	st eleme	nt reflec	cts total prior	year	funding	associated v	vith cos	t elemei	nts no longe	r finan	ced in F	Y 1995 and	beyo	nd.				

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P-1 SHOPPING LIST

ITEM NO. 133 PA

Exhibit P-5
UNCLASSIFIED
CLASSIFICATION

PAGE NO. 3

UNCLASSIFIED CLASSIFICATION

A. DATE PROCUREMENT HISTORY AND PLANNING February 1998 **B. APPROPRIATION/BUDGET ACTIVITY** C. P-1 ITEM NOMENCLATURE **SUBHEAD** OP,N - BA3 AVIATION SUPPORT EQUIPMENT METEOROLOGICAL EQUIPMENT 422600 53SP CONTRACTOR CONTRACT RFP DATE SPECS DATE COST **ELEMENT OF COST** FΥ AND **METHOD LOCATION ISSUE AWARD** OF FIRST QTY UNIT AVAILABLE REVISIONS CODE LOCATION & TYPE OF PCO DATE DATE **DELIVERY** COST NOW **AVAILABLE** SP115 MRS UPGRADES 97 VAISALA, MA SS/FFP/OP **SPAWAR** Aug-96 Dec-96 Jun-97 68 13,603 Yes N/A SP500 SUPPLEMENTAL C/FFP 96 ENTERPRISE ELEC., AL NISE E/CH Jun-96 Dec-96 Feb-98 1 980,000 Yes N/A WEATHER RADAR* 97 ENTERPRISE ELEC., AL C/FFP/OP NISE E/CH 3 775,667 N/A Jun-96 Aug-97 Mar-98 Yes 99 ENTERPRISE ELEC., AL NISE E/CH 5 N/A C/FFP/OP Jun-96 Nov-98 Mar-99 702,400 Yes

D. REMARKS

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Exhibit P-5A

<u>UNCLASSIFIED</u>

CLASSIFICATION

^{*} FY 96 unit price includes non-recurring for data deliverables and pre-faulted modules.

SP051 - AN/SMQ-11 UPGRADES - SPACE (SHIP)

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)

		PΥ		′ <u>95</u>		96	FY			Y 98		′ <u>99</u>		<u>/ 00</u>		<u>′ 01</u>	FY		FY		TC			otal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other											VAR	2.1	VAR	1.2	VAR	1.3	VAR	1.4	VAR	1.5	CONT		VAR	7.5
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 95 EQUIP FY 96 EQUIP FY 97 EQUIP FY 98 EQUIP FY 98 EQUIP FY 99 EQUIP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	30	1.0	30	1.1	30	1.8	30	1.4	30	1.1	0	0.0	150 0 0 0 0 0	6.4 0.0 0.0 0.0 0.0 0.0 1.0
FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY TC EQUIP													30	1.1	30	1.8	30	1.4	30	1.1			30 30 30 30 0	1.1 1.8 1.4 1.1 0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.0		1.0		1.1		1.8		1.4		1.1		0.0		6.4
TOTAL PROCUREMENT COST		0.0		0.0		0.0		0.0		0.0		3.1		2.3		3.1		2.9		2.6		0.0		13.9
METHOD OF IMPLEMENTATION:								ADMINIS	IRAIIVI	E LEADTIN	IE:	VAR			PROCUE	KEMENII	LEADTIME	:	VAR					
CONTRACT DATES:	FY 1996:								FY 1997	7 :						FY 1998:					FY 1999:		VAR	
DELIVERY DATES:	FY 1996:								FY 1997	7 :						FY 1998:					FY 1999:		VAR	
INSTALLATION SCHEDULE: PY	1	2 2	<u>/ 97</u> 3	4		1	2 2	<u>98</u> 3	4	_	1	2 2	<u>′ 99</u> 3	4	_									
INPUT											7	7	8	8										
OUTPUT											7	7	8	8										
		E	<u>/ 00</u>				FY	01				<u>F</u>	′ 02				FY	03						
INSTALLATION SCHEDULE:	1	2	3	4		1	2	3	4	_	1	2	3	4		1	2	3	4		TC			TOTAL
INPUT	7	7	8	8		7	7	8	8		7	7	8	8		7	7	8	8					150
OUTPUT	7	7	8	8		7	7	8	8		7	7	8	8		7	7	8	8					150
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^{*} Quantities reflect platforms.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 5

SP051 - AN/SMQ-11 UPGRADES - SPACE (SHORE)

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)

		PY		Y 95		<u> </u>		<u> </u>		98		<u> </u>		<u>/ 00</u>		<u>′ 01</u>		′ 02	FY		TC			otal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other									VAR	0.9	VAR	2.1	VAR	1.3	VAR	1.3	VAR	1.4	VAR	1.5	CONT		VAR	8.6
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 95 EQUIP FY 96 EQUIP FY 97 EQUIP FY 98 EQUIP	0	0.0	0	0.0	0	0.0	0	0.0	33	0.6	33	0.6	33	0.9	33	0.8	33	0.7	33	0.8	0	0.0	198 0 0 0 0 0	4.4 0.0 0.0 0.0 0.0 0.0
FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY TC EQUIP											33	0.6	33	0.9	33	0.8	33	0.7	33	0.8			33 33 33 33 33 0	0.6 0.9 0.8 0.7 0.8 0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.6		0.6		0.9		0.8		0.7		0.8		0.0		4.4
TOTAL PROCUREMENT COST		0.0		0.0		0.0		0.0	STRATIVE	1.6	-	2.7		2.2	DDOOLU	2.1	LEADTIMI	2.1	\/AB	2.3		0.0		13.0
METHOD OF IMPLEMENTATION:								ADMINIS	STRATIVE	LEADTIN	E:	VAR			PROCUI	KEMENI	LEADTIMI	=:	VAR					
CONTRACT DATES:	FY 199	96:							FY 1997:							FY 1998	:	VAR			FY 1999:		VAR	
DELIVERY DATES:	FY 199	96:							FY 1997:							FY 1998	:	VAR			FY 1999:		VAR	
		_	Y 97				ΕV	′ <u>98</u>				ΕV	′ 99											
INSTALLATION SCHEDULE: PY	1	2	3	4	-	1	2	3	4	-	1	2	3	4	_									
INPUT						8	8	8	9		8	8	8	9										
OUTPUT						8	8	8	9		8	8	8	9										
INSTALLATION SCHEDULE:	1	<u>F</u> 2	Y 00 3	4	=	1	<u>F)</u> 2	<u>′ 01</u> 3	4	=	1	<u>F)</u> 2	<u>′ 02</u> 3	4	_	1_	<u>F)</u> 2	<u>/ 03</u> 3	4		TC			TOTAL
INPUT	8	8	8	9		8	8	8	9		8	8	8	9		8	8	8	9					198
OUTPUT	8	8	8	9		8	8	8	9		8	8	8	9		8	8	8	9					198

^{*} Quantities reflect shore sites.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 6

SP115 - MINI-RAWIN SYSTEM UPGRADES (SHIP)

THE MRS IS A PORTABLE COMMERCIAL OFF-THE-SHELF (COTS) UPPER AIR SOUNDING SYSTEM USED TO MEASURE PRESSURE, TEMPERATURE, HUMIDITY, WIND SPEED AND DIRECTION FROM THE SURFACE TO THE LOWER STRATOSPHERE. THE UPGRADE WILL

ENABLE USE OF THE GLOBAL POSITIONING SYSTEM (GPS).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)

FINANCIAL PLAN: (\$ in millions)																								
	1 0	PY 0		<u>/ 95</u>		96		<u>′ 97</u>		98		<u>′ 99</u>		00		<u>′ 01</u>		<u>/ 02</u>		03	<u> </u>			otal **
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other Interim Contractor Support Installation of Hardware*	Qty		Qty	\$	28 0	0.4	Qty 28	\$	Qty	\$	Qty	\$ 0.0	Qty	\$	Qty	0.0	Qty	\$	Qty	\$	Qty	0.0	Qty 28	0.4
PRIOR YR EQUIP FY 95 EQUIP FY 96 EQUIP FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY TC EQUIP FY TC EQUIP TOTAL INSTALLATION COST		0.0	0	0.0	Ü	0.0	28	0.1	0	0.0	U	0.0	Ü	0.0	U	0.0	U	0.0	U	0.0	U	0.0	28 0 0 28 0 0 0 0 0 0	0.1 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0
TOTAL PROCUREMENT COST		0.0		0.0		0.4		0.1		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.5
METHOD OF IMPLEMENTATION:								ADMINIS	TRATIVE	LEADTIN	1E:	3 MONTH	HS		PROCUE	REMENT L	EADTIME	Ε:	3 MONTH	HS				
CONTRACT DATES:	FY 19	96:	Nov-96						FY 1997:							FY 1998:					FY 1999:			
DELIVERY DATES:	FY 19	96:	May-97						FY 1997:							FY 1998:					FY 1999:			
INSTALLATION SCHEDULE: PY INPUT	1_	<u>E</u> 2	Y 97 3	<u>4</u> 14	-	1	2 2	<u>′ 98</u> 3	4	-	1	<u>FY</u> 2	<u>′ 99</u> 3	4	-									
OUTPUT			14	14																				
	14 14 FY 00 FY 01 FY 02													EV	<u>′ 03</u>									
INSTALLATION SCHEDULE:	1	2	3	4	=	1	2	3	4	=	1	2	3	4	=	1	2	3	4		TC			TOTAL
INPUT																								28
ОИТРИТ																								28

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 7

SP115 - MINI-RAWIN SYSTEM UPGRADES (SHORE)

THE MRS IS A PORTABLE COMMERCIAL OFF-THE-SHELF (COTS) UPPER AIR SOUNDING SYSTEM USED TO MEASURE PRESSURE, TEMPERATURE, HUMIDITY, WIND SPEED AND DIRECTION FROM THE SURFACE TO THE LOWER STRATOSPHERE. THE UPGRADE WILL

ENABLE USE OF THE GLOBAL POSITIONING SYSTEM (GPS).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)

(•	<u>PY</u>	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	<u>TC</u>	<u>Total</u>
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other	Qty \$	Qty \$	Qty \$ 32* 0.4	Qty \$ 68* 0.9	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Oty \$
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 95 EQUIP FY 96 EQUIP FY 97 EQUIP FY 98 EQUIP FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 03 EQUIP FY 05 EQUIP FY 06 EQUIP FY 07 EQUIP FY 08 EQUIP FY 08 EQUIP FY 09 EQUIP	0 0.0	0 0.0	0 0.0	47 0.2 47 0.2	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	47 0.2 0 0.0 0 0.0 47 0.2 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0
TOTAL INSTALLATION COST	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
TOTAL PROCUREMENT COST METHOD OF IMPLEMENTATION:	0.0	0.0	0.4	1.1 ADMINIS	0.0 STRATIVE LEADTIM	0.0 IE: 3 MONT	0.0	0.0 PROCUREMENT LE	O.0	0.0 3 MONTHS	0.0	1.5
CONTRACT DATES:	FY 1996:	Nov-96		, 5, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	FY 1997:	Dec-96		FY 1998:			FY 1999:	
DELIVERY DATES:	FY 1996:	May-97			FY 1997:	Jun-97		FY 1998:			FY 1999:	
INSTALLATION SCHEDULE: PY INPUT OUTPUT	1	Y 97 3 4 25 22 25 22	1	<u>FY 98</u> 2 3	4	1 2 1 2	<u>Y 99</u> 3 4	-				
INSTALLATION SCHEDULE:	1 2	Y 00 3 4	1	FY 01 2 3	4	1 2	<u>Y 02</u> 3 4	1	FY 03 2 3	4	TC	<u>TOTAL</u> 47

OUTPUT

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 8

P-3A Exhibit UNCLASSIFIED

47

^{* 53} UNITS ARE FOR MOBILE TEAMS AND REQUIRE NO INSTALLATION.

OUTPUT

MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTIFICATION: AUTOMATED SURFACE OBSERVING SYSTEM (ASOS) (SHORE)

ASOS IS AN AUTOMATIC SYSTEM TO SENSE, COLLECT, DISPLAY AND DISSEMINATE REAL TIME METEOROLOGICAL INFORMATION AT BOTH NAVY AND MARINE CORPS AIR STATIONS AND REMOTE SITES SUCH AS WEAPON RANGES AND ORT FACILITIES.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)		_		5)/	0.5	5),		_		_		-		_		-		5 1/		-		-	_	-	
			<u> </u>	FY O		FY O			<u>/ 97</u>		Y 98		<u> </u>		<u>/ 00</u>		<u>′ 01</u>	FY			03		<u>C</u>		otal 0
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment		Qty	3.2	Qty 19	3.8	Qty 16	3.4	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty 53	10.4
Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 95 EQUIP FY 96 EQUIP FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP FY 09 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 03 EQUIP FY 05 EQUIP FY 06 EQUIP FY 07 EQUIP FY 08 EQUIP FY 09 EQUIP FY 09 EQUIP		3 3	0.0	24 15 9	0.4 0.3 0.1	19 10 9	0.5 0.3 0.2	7	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	53 18 19 16 0 0 0 0	1.2 0.3 0.4 0.5 0 0 0 0
TOTAL INSTALLATION COST			0.0		0.4		0.5		0.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0	0	1.2
TOTAL PROCUREMENT COST			3.2		4.2		3.9		0.3		0.0		0.0		0.0		0.0		0.0		0.0		0.0	0	11.6
METHOD OF IMPLEMENTATION:									ADMINIS	STRATIVE	LEADTIN	1E:	1 MONT	Н		PROCUE	REMENT L	EADTIME.	:	8 MONTI	HS				
CONTRACT DATES:		FY 1996:		Nov-95						FY 1997	1						FY 1998:					FY 1999:			
DELIVERY DATES:		FY 1996:		Aug-96						FY 1997	:						FY 1998:					FY 1999:			
INSTALLATION SCHEDULE:	PY	1	2 2	<u>′ 97</u> 3	4	-	1	2 2	<u>7 98</u> 3	4	=	1	2 2	<u>7 99</u> 3	4	=									
INPUT	46	3	2	2																					
OUTPUT	46		2	2	1		1	1																	
INSTALLATION SCHEDULE:		1	<u>FY</u> 2	<u>′ 00</u> 3	4		1	<u>F)</u> 2	<u>Y 01</u> 3	4	_	1	<u>F)</u> 2	<u>Y 02</u> 3	4	_	1	<u>FY</u> 2	<u>03</u> 3	4	-	TC	-		<u>TOTAL</u> 53

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 9

P-3A Exhibit UNCLASSIFIED

53

SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHIP)

TESS UPGRADE PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES, CPUs AND BACK PLANES TO REPLACE ORIGINAL EQUIPMENT FOR BLOCK UPGRADES ON 30 PLATFORMS. ASSOCIATED SOFTWARE UPGRADES ARE ALSO REQUIRED.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)

ROTIGE PROCURE MEMORY	FINANCIAL PLAN: (\$ in millions)																									
ROTALIATION SCHEDULE: Pri 1962 VAR										97																
Interin Contractor Support Installation Contractor Support Installation Contractor Support Installation Contractor Support Installation Contractor Support Installation Contractor Support Installation Contractor Support Installation Contractor Support Installation Schedule:	PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment		Qty	\$	Qty	\$.,	•		3.6		•		Ť		•		Y		Ψ		Ť		\$		34.3
FY 98 EQUIP FY 99 EQUIP FY 01 EQUIP FY 02 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05	Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 95 EQUIP FY 96 EQUIP		0	0.0	0	0.0					30	2.3	30	2.7	30	2.7	30	2.5	30	2.8	30	3.0	0	0.0	0 0 27	18.3 0.0 0.0 1.0
TOTAL PROCUREMENT COST METHOD OF IMPLEMENTATION: 0.0	FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP								27	1.3	30	2.3	30	2.7	30	2.7	30	2.5	30	2.8	30	3.0			30 30 30 30 30 30	1.3 2.3 2.7 2.7 2.5 2.8 3.0 0.0
METHOD OF IMPLEMENTATION: CONTRACT DATES: FY 1996: VAR FY 1997: VAR FY 1997: VAR FY 1998: VAR FY 1999: VAR DELIVERY DATES: FY 1996: VAR FY 1996: VAR FY 1997: VAR FY 1997: VAR FY 1998: VAR FY 1999: VAR FY 1999: VAR INSTALLATION SCHEDULE: PY 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 1 1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																										18.3
CONTRACT DATES: FY 1996: VAR FY 1997: VAR FY 1998: VAR FY 1999: VAR DELIVERY DATES: FY 1996: VAR FY 1997: VAR FY 1998: VAR FY 1999: VAR INSTALLATION SCHEDULE: PY 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 I I DITTURE PY 1 1 2 3 4 I I I DITTURE PY 1 1 2 3 4 I I I DITTURE PY 1 1 2 3 4 I I I I I I I I I I I I I I I I I I				0.0		0.0		4.8								7.1						7.6		0.0		52.6
DELIVERY DATES: FY 1996: VAR FY 1997: VAR FY 1998: VAR FY 1999: VAR INSTALLATION SCHEDULE: PY 1 27/3 4 1 27/3 4 1 27/3 4 1 27/3 4 1 27/3 4 1 27/3 4 1 27/3 4 1 27/3 8 8 7 7 8 8 8 7 7 8 8 8 7 7 8 8 8 7 7 8 8 8 7 7 8 9 8 9 8 9 9 9 9 9 9	METHOD OF IMPLEMENTATION:									ADMINIS	TRATIVE	LEADTIN	ΛE:	VAR			PROCUE	REMENT I	LEADTIMI	E:	VAR					
INSTALLATION SCHEDULE: PY	CONTRACT DATES:		FY 1996:		VAR						FY 1997:		VAR					FY 1998:		VAR			FY 1999:		VAR	
INSTALLATION SCHEDULE: PY 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 INPUT 27 6 7 7 7 7 8 8 8 7 7 8 8 8 POUTPUT 27 6 7 7 7 7 8 8 8 7 7 8 8 8 POUTPUT 27 8 8 8 POUTPUT 27 8 8 8 POUTPUT 28 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	DELIVERY DATES:		FY 1996:								FY 1997:		VAR					FY 1998:		VAR			FY 1999:		VAR	
OUTPUT 27 6 7 7 7 7 8 8 7 7 8 8 FY02 FY03 INSTALLATION SCHEDULE: 1 2 3 4 1 2 3 4 1 2 3 4 TC TO INPUT 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 8 7 7 7 8 8	INSTALLATION SCHEDULE:	PY	1			4	=	1			4	=	1			4	=									
FY 00	INPUT	27	6	7	7	7		7	7	8	8		7	7	8	8										
INSTALLATION SCHEDULE: 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 TC TO INPUT 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 7	OUTPUT	27	6	7	7	7		7	7	8	8		7	7	8	8										
INPUT 7 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 2 2				<u>F</u>)	<u>Y 00</u>				<u>FY</u>	<u>01</u>				<u>FY</u>	<u>′ 02</u>				<u>F</u>)	<u>/ 03</u>						
	INSTALLATION SCHEDULE:		1	2	3	4	-	1	2	3	4	-	1	2	3	4	_	1	2	3	4		TC			TOTAL
OUTPUT 7 7 8 8 7 7 8 8 7 7 8 8 2 7 7 8 8 2 2	INPUT		7	7	8	8		7	7	8	8		7	7	8	8		7	7	8	8					234
	OUTPUT		7	7	8	8		7	7	8	8		7	7	8	8		7	7	8	8					234

^{*} Quantities reflect platforms.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133

^{*} PY and FY95 exhibits included NITES. NITES units are not represented.

SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHORE)

TESS UPGRADE PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES, CPUs AND BACK PLANES TO REPLACE ORIGINAL EQUIPMENT FOR BLOCK UPGRADES AT 33 SHORE SITES. ASSOCIATED SOFTWARE UPGRADES ARE ALSO REQUIRED.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)

FINANCIAL PLAN: (\$ in millions)																								
		<u>PY</u>		Y 95		96		97	FY.			<u>′ 99</u>		00		<u>′ 01</u>		/ 02		03	TC			otal .
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data	Qty	\$	Qty	\$	Qty VAR	\$ 4.5	Qty VAR	3.6	Qty VAR	3.0	Qty VAR	7.0	Qty VAR	\$ 6.4	Qty VAR	6.5	Qty VAR	6.6	Qty VAR	6.9	Qty	\$	Qty VAR	44.5
Data Training Equipment Support Equipment Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 95 EQUIP FY 96 EQUIP	0	0.0	0	0.0	49	1.3	49	1.4	49	0.6	49	0.5	49	0.5	49	0.5	49	0.7	49	0.8	0	0.0	392 0 0 49	6.3 0.0 0.0 1.3
FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 02 EQUIP FY 03 EQUIP FY TC EQUIP							49	1.4	49	0.6	49	0.5	49	0.5	49	0.5	49	0.7	49	0.8			49 49 49 49 49 49 49	1.4 0.6 0.5 0.5 0.5 0.7 0.8
TOTAL INSTALLATION COST TOTAL PROCUREMENT COST		0.0		0.0		1.3 5.8		1.4 5.0		0.6 3.6		0.5 7.5		0.5 6.9		7.0		7.3		7.7		0.0		6.3 50.8
METHOD OF IMPLEMENTATION:	L	0.0		0.0		5.0			TRATIVE		1E:	VAR		0.9	PROCUE	REMENT L	LEADTIME		VAR	1.1		0.0		50.6
CONTRACT DATES:	FY 1996	6:	VAR						FY 1997:		VAR					FY 1998:	:	VAR			FY 1999:		VAR	
DELIVERY DATES:	FY 1996	6:	VAR						FY 1997:		VAR					FY 1998:	:	VAR			FY 1999:		VAR	
INSTALLATION SCHEDULE: PY	1	<u>F</u>	<u>Y 97</u> 3	4		1	<u>FY</u> 2	98	4		1	<u>FY</u> 2	<u>/ 99</u> 3	4										
INPUT 49	12	12	12	13	=	12	12	12	13		12	12	12	13	- "									
OUTPUT 49	12	12	12	13		12	12	12	13		12	12	12	13										
001701	12	12	12	13		12	12	12	13		12	12	12	13										
		E	Y 00				FY	01				FY	<u>′ 02</u>				<u>FY</u>	<u>/ 03</u>						
INSTALLATION SCHEDULE:	1_	2	3	4	=	1	2	3	4		1	2	3	4	_	1	2	3	4	-	TC			TOTAL
INPUT	12	12	12	13		12	12	12	13		12	12	12	13		12	12	12	13					392
OUTPUT	12	12	12	13		12	12	12	13		12	12	12	13		12	12	12	13					392

^{*} Quantities reflect shore sites. Some sites require dual systems.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 11

SP200 - SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM (SMOOS P3I) - MORIAH (SHIP)

Shipboard Meteorological and Oceanographic Observing System (SMOOS) P3I will provide Upgrades to existing suites to add smaller sensors such as radiometers. MORIAH is a major block upgrade consisting of shipboard environmental sensors, automated data acquisition and processing system, multiple system interface and displays. MORIAH will be installed on 260 platforms

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)

·	<u>P</u>	<u>Y</u>	FY	95	FY	96	FY	97	<u>F</u>	<u> </u>	FY	99	FY	′ 00	FY	01	FY	02	FY	03	TC		<u>T</u>	otal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other					VAR*	0.2					VAR	0.7	VAR	5.2	VAR	5.5	VAR	5.9	VAR	6.2	CONT		VAR	23.7
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 95 EQUIP FY 96 EQUIP FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 03 EQUIP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.03	59 59	0.5	69 69	0.5	69 69	1.0	60	1.0	0	0.0	260 0 0 0 0 0 0 3 59 69 69	3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.5 0.5 1.0
FY TC EQUIP TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.0		0.0		0.5		0.5		1.0		1.0		0.0	0	3.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.0		0.7		5.7		6.0		6.9		7.2		0.0		26.7
TOTAL PROCENE IN COOL	U.	0.0	!	0.0		0.2			STRATIVE	LEADTIN	1E:	VAR		0.7	PROCUE		EADTIME		VAR	7.2		0.0	!	20.7
CONTRACT DATES:	FY 1996:		VAR						FY 1997	:						FY 1998:					FY 1999:		VAR	
DELIVERY DATES:	FY 1996:		VAR						FY 1997	:						FY 1998:					FY 1999:		VAR	
INSTALLATION SCHEDULE: PY	1	<u>FY</u> 2	<u>′ 97</u> 3	4	_	1	<u>FY</u> 2	<u>' 98</u> 3	4	_	1	<u>FY</u> 2	<u>′ 99</u> 3	4	_									
INPUT													3											
OUTPUT													1	2										
0011 01														2										
		EV	<u>′ 00</u>				EV	01				EV	<u>′ 02</u>				FY	.03						
INSTALLATION SCHEDULE:	1	2	3	4		1	2	3	4		1	2	<u>-02</u> 3	4		1	2	<u>03</u> 3	4		TC			TOTAL
INSTALLATION SCHEDULE.			3	4	-			3	4	_			3	4	-			3	4					IOIAL
INPUT	14	15	15	15		17	17	17	18		17	17	17	18		15	15	15	15					260
OUTPUT	14	15	15	15		17	17	17	18		17	17	17	18		15	15	15	15					260

 $^{^{\}star}\,$ FY96 units required no installation.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 12

^{**} I/O quantities reflect platforms.

SP500 - SUPPLEMENTAL WEATHER RADAR (SWR) (SHORE)

The Supplemental Weather Radar (SWR) is a small, light weight, COTS Doppler radar system that will be located at sites where NEXRAD coverage is not available to Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or moving towards USN and USMC units.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)

· · · · · · · · · · · · · · · · · · ·	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	TC	Total
	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other			1 1.0	3 2.3		5 3.5						9 6.8
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 95 EQUIP FY 96 EQUIP FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP FY 90 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 03 EQUIP	0 0.0	0 0.0	0 0.0	0 0.0	4 0.1 1 0.02 3 0.07		0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	9 0.2 0 0.0 1 0.0 3 0.1 0 0.0 5 0.1 0 0.0 0 0.0 0 0.0
FY TC EQUIP	- 0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0 0.0 0.2
TOTAL INSTALLATION COST TOTAL PROCUREMENT COST	0.0	0.0	0.0 1.0	2.3	0.1		0.0	0.0	0.0	0.0	0.0	7.0
METHOD OF IMPLEMENTATION:	0.0	0.0			STRATIVE LEADT			PROCUREMENT I		4 MONTHS*	0.0	1.0
CONTRACT DATES:	FY 1996:	Dec-96			FY 1997:	Aug-97		FY 1998:	:		FY 1999:	Nov-98
DELIVERY DATES:	FY 1996:	Feb-98			FY 1997:	Mar-98		FY 1998:	1		FY 1999:	Mar-99
INSTALLATION SCHEDULE: PY INPUT OUTPUT	<u>1</u> 2	SY 97 3 4	1	FY 98 2 3 2 2 2	2	1	Y 99 3 4 3 1 1 3	-				
INSTALLATION SCHEDULE:	1	3 4	1	<u>FY 01</u> 2 3	4	<u>F</u>	<u>Y 02</u> 3 4	1	<u>FY 03</u> 2 3	4	TC	TOTAL
INPUT												9
OUTPUT	1											9

^{*} Contract protest occurred with the FY96 and FY97 buys which delayed contract award and delivery dates. No problem in FY99.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 13

SP550 - AVIATION SAFETY SYSTEM UPGRADES (SHORE)

Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed multi-agency procured safety of flight equipment, such as NEXRAD and ASOS, installed at 50 Navy and Marine Corps Air facilities worldwide.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

FINANCIAL PLAN: (\$ in millions)

PY FY95 FY96 FY97 FY98 FY99 FY00 FY01 FY02 FY03 TC Qty \$ Qt	Total Qty \$
RDT&E PROCUREMENT:	Qty \$
Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment	VAR 6.2
Support Equipment Other Interim Contractor Support Installation of Hardware* 0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0 0	250 0.5 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 50 0.1 50 0.1 50 0.1 50 0.1 50 0.1
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TOTAL PROCUREMENT COST 0.0 0.0 0.0 0.0 0.0 1.1 1.2 1.3 1.5 1.5 0.0	6.7
METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: VAR PROCUREMENT LEADTIME: VAR	
CONTRACT DATES: FY 1996: FY 1997: FY 1998: FY 1999:	VAR
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FY 97 FY 98 FY 99 INSTALLATION SCHEDULE: PV 1 2 3 4 1 2 3 4	
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FY 00 FY 01 FY 02 FY 03 INSTALLATION SCHEDULE: 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 TC	TOTAL
	<u>TOTAL</u> 250

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 14

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ITEM	Name and Location	MSR	1-8-5	MAX	to Oct 1	Oct 1	Mfg PLT	Mfg PLT	Total	Measure

NAVMAT FORM 7110/4 (REVISED 11/77)

P-1 SHOPPING LIST ITEM NO. PAGE NO. 133 15

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ITEM	Name and Location	MSR	1-8-5	MAX	to Oct 1	Oct 1	Mfg PLT	Mfg PLT	Total	Measure

NAVMAT FORM 7110/4 (REVISED 11/77)
P-1 SHOPPING LIST
ITEM NO. PAGE NO.
UNCLASSIFIED
CLASSIFICATION

133 16

DD Form 2454, JUN 86

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		BU	DGFT ITEM	JUSTIFICA	TION SHEE	Т			DATE:			
		20	JOL:	P-40		••			February 1	998		
APPROPRIATION/BUDG	GET ACTIVI	TY-3					P-1 ITEM NO	MENCLATURE	-			
OTHER PROCURE	MENT, NA	VY/AVI	ATION SUP	PORT EQU	IPMENT		OTHER PHOT	OGRAPHIC E	QUIPMENT -	Y3SX		
Program Element for Co	de B Items:						Other Related	Program Elem	nents			
BA 3 - AVIATION SUPP	ORT EQUIP	MENT										
	Prior Years	ID Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY												
COST (In Millions)	66.626		0.7	0.7	0.8	0.6	0.6	0.6	0.6	0.6	CONT	CONT

The Naval Air Systems Command is tasked to fund transition of CV photographic labs from traditional film technology to digital imagery technology (CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies). The CV main photographic lab supports the full visual imaging program afloat to include: Carrier Intelligence Center (CVIC) support (Bomb Damage Assessment (BDA) and target imagery), incidents and accidents at sea, medical media, copy and reproduction, investigation, aerial and surface surveillance, combat camera, safety, training and Public Affairs Office (PAO).

Electronic/digital imagery acquisition media is rapidly expanding (ATARS, TAMPS, JSIPS). It is imperative the CV photo lab be able to interface with the new electronic media. Hard copy imagery is required in the documentation of real world events (drug interdiction program, humanitarian relief efforts, shipboard and flight operational documentation). This imagery is used at all levels within DoD including CNO, SECNAV, JCS, National Military Command Center and the White House. Hard copy photographs are used in the decision making process by the Fleet and Battle Group Commanders and directly impacts the overall Navy mission. Digital imagery can be quickly disseminated via shipboard communication systems to support decision makers at the local, theater, and global levels (CVBG, CINC and JCS).

Digital technology will generate less environmentally damaging effluents than traditional photographic processes and will have no impact on shipboard water consumption. Electronic imaging is less manpower intensive and requires less maintenance and overall support resources than traditional mechanical hardware.

In order to fully utilize the film technology employed on CV's, a two phase transition plan will be implemented. An interim photo lab will be installed to interface with existing film technology which will allow the CV to maintain 100% mission capability until final digital installation. LANT and PAC deployment schedules and pier-side availability will determine the installation schedule. Phase II digital capability began in late FY95/early 96 and will be completed in FY03.

Digital Photo Lab Phase I includes one hard-mounted electronic work station, one portable backup workstation, one high capacity digital printer, three digital hand-held cameras, and the software to run this equipment. Digital Photo Lab Phase II adds DPL Phase II workstations (comprised of two hard-mounted electronic work stations and one portable backup workstation), one large format digital printer, one high resolution printer, a LAN server to tie them together, eight digital color cameras, and some miscellaneous small equipment/software required to tie Phase I and Phase II labs together. Phase I equipment installations were completed in FY95. Phase II began in FY95 and continues beyond the FYDP.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO.

PAGE NO.

ITEM NO. 134

PAGE NO. 1

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM CO P-5	OST AN	ALYSIS			Weapon Sy	stem							DATE: February	1998
OTHER	PRIATION/BUDGET ACTIVITY PROCUREMENT NAVY AVIATION SUPPORT EQUIPMENT					ID Code			RE/SUBHEAD APHIC EQU		Y3SX			,	
			TOTAL COST	IN THOUS	ANDS OF D	OLLARS									
COST CODE	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 1996 Unit Cost	Total Cost	Quantity	FY 1997 Unit Cost	Total Cost	Quantity	FY 1998 Unit Cost	Total Cost	Quantity	FY 1999 Unit Cost	Total Cost
			l otal Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SX019 SX020 SX021 SX830 SX900	PHOTO EQUIPMENT UNDER \$100K DIGITAL COLOR PRINTER ELECTRONIC WORKSTATION SYSTEM DIGITAL SLR COLOR CAMERA PRODUCTION ENGINEERING & LOGISTICS SUPPORT INSTALLATION (NON-FMP) VARIOUS OTHER COSTS, FY 95 & PRIOR * * The amount identified against this cost element	A A A A A	468 337 65,821 s total prior yea	2 1	66 136	136 0 42 250	5 1	27 140	159 135 140 0 129 147	2 10	140 27	11 0 280 270 69 154	2 3	140 26	
		1	66,626			702			710			784			62

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DD FORM 2446, JUN 86

P-1 SHOPPING LIST

ITEM NO.

CLASSIFICATION:

CLASSIFICATION: UNCLASSIFIED

ENT HISTO	ORY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE	1998	
ACTIVITY NT NAVY PORT FOLL	IIPMFNT					NT	<u> rebruary</u>	SUBHEAD Y3SX	
QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
2 5	66* 27.2*	NRAD, Philadelphia NRAD, Philadelphia	Apr-96 Apr-97	C/MIPR/FP C/MIPR/FP	XEROX, McLean, VA TBD	Jun-96 Jun-97	Sep-96 Sep-97	YES YES	N/A N/A
1 1 2 2	136.0 140.0 140.0 140.0	NRAD, Philadelphia NRAD, Philadelphia NRAD, Philadelphia NRAD, Philadelphia	Apr-96 Apr-97 Apr-98 Apr-99	C/MIPR/FP C/MIPR/FP C/MIPR/FP C/MIPR/FP	JE Cuesta, Philadelphia, PA TBD TBD TBD	Jun-96 Jun-97 Jun-98 Jun-99	Sep-96 Sep-97 Sep-98 Sep-99	YES YES YES YES	N/A N/A N/A N/A
10 3	26.6 25.9	NRAD, Philadelphia NRAD, Philadelphia	Apr-98 Apr-99	C/MIPR/FP C/MIPR/FP	TBD TBD	Jun-98 Jun-99	Sep-98 Sep-99	YES YES	N/A N/A
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D. REMARKS

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST ITEM NO. 134 PAGE NO. 3

Classification:

^{*} Variance in unit cost due to two different types of printers being procured.

	/99 BUDGET PRODUCTION SCHEDULE, P-21 PRIATION/BUDGET ACTIVITY t Procurement, Navy/Aviation Support Equipment/BA-3																	DATI			F	ebr	uary	199	98					
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Electronic Workstation System	TBD							N/A								8			3						11			Е		
Digital SLR Color Camera TBD N/																8			3						11			E		
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Digital Color Printer														Α			5													0
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Electronic Workstation Systems	98		2	0	2																					Α			2	0
Digital SLR Color Camera	98		10	0	10																					Α			10	0
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Electronic Workstation Systems	99		2	0	2									Α			2													0
Digital SLR Color Camera	99		3	0	3									Α			3													0
Remarks:			<u> </u>	<u> </u>	<u> </u>	<u> </u>																								l

DD Form 2445, JUL 87 P-1 SHOPPING LIST 134 PAGE 4 Previous editions are obsolete

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL I	/IODIFIC	CATIO	N																		
MODELS OF SYSTEM AFFECTED:	CVs, CVN	ls, CNET,	PNCL	A			TYPE	E MODIF	FICATI	ON:							MOD	IFICATI	ON TI	TLE:	Digita	al Photo	Lab (Ph	nase II)
DESCRIPTION/JUSTIFICATION:																								
Fund transition CV/CVN Photo Lab from tra	ditional "w	et" film to	digita	al image	ry. Ph	ase II p	rovide	s addition	onal sy	stems a	nd cap	abilities	above	Phase I	suites	S.								
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	III ESTOI	VFS:	(Phase	Lcom	oleted F	Y 95)																	
DEVELOT MENT OF THE OF		IILLO I OI	120.	(1 11400		olotou i	1 00)																	
	FY 1994	4 & Prior	FY	1995	FY	1996	FY	′ 1997	FY	′ 1998	FY	1999	FY	2000	FY	2001	FY	2002	FY	2003		TC	TO	TAL
	QTY	\$	QTY		QTY		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY		QTY	\$	QTY		QTY	\$
FINANCIAL PLAN (IN THOUSANDS)																								
RDT&E																							0	0
PROCUREMENT																								
INSTALLATION KITS	2	391			1	410	1	435	2	557	2	369	1	325	1	424	1	431	1	449			12	3,791
INSTALLATION KITS - UNIT COST						410		435		279		185		325		424		431		449			1	
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																							,	
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																							1	
FIELD ACTIVITY SUPPORT				468		42		128		73		41		62		84		84		77			1	1,059
OTHER																							1	
OTHER																							1	
INTERIM CONTRACTOR SUPPORT																							1	
INSTALL COST				337		250		147		154		213		220		113		117		121				1,672
TOTAL PROCUREMENT		391		805		702		710		784		623		607		621		632		647				6,522
	_								I	TEM 134		PA	AGE 5								CLAS	SSIFICA	TION: (UNCLAS

CLASSIFICATION: UNCLAS	SIFIED)																						
P3A (Continued)						INDIVIDUA	AL MO	DDIFICATI	ON (C	ontinued)													
MODELS OF SYSTEMS AFFI	ECTED): <u>C</u> V	/s, CVI	Ns, CNET,	PNCL	A		MOD	IFICA	TION TITL	E:	Digital Pl	hoto L	ab (Phase	e II)						_			
INSTALLATION INFORMATION																								
METHOD OF IMPLEMENTAT			0.14				_	DD O DLI	OTION															
ADMINISTRATIVE LEADTIME	-	1007		onths	_					LEADTIN	/IE:		3 M	onths			_							
CONTRACT DATES:		1997:	Jun			-		FY 1998		June 98				FY 1		Jun 9			-					
DELIVERY DATE:	FY 1	1997:	Sep	p 97		<u>-</u>		FY 1998	:	Sep 98				FY 1	999:	Sep 9	99		-					
										(\$ in TI	nousa	nds)												
Cost:	Prio	r Years	F	Y 1995		FY 1996	F	Y 1997	F`	Y 1998	F	Y 1999	F	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	To C	omplete	7	otal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS																							0	.000
FY 1995 EQUIPMENT			2	.337																			2	.337
FY 1996 EQUIPMENT					1	.250)																1	.250
FY 1997 EQUIPMENT							1	.147															1	.147
FY 1998 EQUIPMENT									2	.154													2	.154
FY 1999 EQUIPMENT											2	.213	3										2	.213
FY 2000 EQUIPMENT													1	.220)								1	.220
FY 2001 EQUIPMENT															1	.113							1	.113
FY 2002 EQUIPMENT																	1	.117					1	.117
FY 2003 EQUIPMENT																			1	.121			1	.121
TO COMPLETE																						CONT.		CONT.
INSTALLATION SCHEDUL FY 1996 & Prior In 3 Out 3	5	FY 1997 2 3 0 0 0 0	4	FY 1 2 0 0 0 0 0	0	4 1 2 0 2 0	FY 1 2 0 0	999 3 4 0 2 0 2	1 0 0	FY 2000 2 3 0 0 0 0	4 1 1	1 2 0 0 0 0	2001 3 0 0	4 1 0 1 0	FY 2 2 0 0	2002 3 4 0 1 0 1	1 0 0	FY 2003 2 3 0 0 0 0	4 1 1	TC	TOT 12 12	2		
1																				P-3A				

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Exhibit P-20, Requireme	ents Study		AF	PROPRIATION/BL	JDGET ACTIVIT	Υ	DAT	ΓE:	
	•		Ot	her Procuremen	t, Navy/Aviatio	n Support Equi	pment	February	1998
P-1 ITEM NOMENCLATUR	E		Admin L	eadtime (after Oct1	1):	Prod	Leadtime :	-	
OTHER PHOTOGRAPHIC EQ	UIPMENT - Y3SX		8	mos			3 mos		
Digital Color Printer		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		2	5	0	0	0	0	0	0
Unit Cost		66	27	0	0	0	0	0	0
Total Cost		132	136	0	0	0	0	0	0
Asset Dynamics									
Beginning Asset Position		0	2	7	7	7	7	7	7
Deliveries from all prior year	·	2	0	0	0	0	0	0	0
Deliveries from FY 1997 fur		0	5	0	0	0	0	0	0
Deliveries from FY 1998 fur		0	0	0	0	0	0	0	0
Deliveries from FY 1999 fur	<u> </u>	0	0	0	0	0	0	0	0
Deliveries from subsequent	years' funding	0	0	0	0	0	0	0	0
Other Gains		0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attrit		0	0	0	0	0	0	0	0
End of Year Asset Positio	n	2	7	7	7	7	7	7	7
Inventory Objective or Curre		15	15	15	15	15	15	15	15
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligible		Aircraft:	
15	Expenditures	Usage		(Vehicles/Other))	FY 1998 Replac		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac		TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augmen	ıt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other: 15	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									
Inventory objective of 15 eq One printer per CV/CVN (1* One printer each at three sh	12)	12 <u>3</u> 15							
				D 4 OLIOPPINO	_		01.400151		

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UNCLASSIFIED CLASSIFICATION:

Exhibit P-20, Requireme	ents Study		API	PROPRIATION/BU	IDGET ACTIVIT	Υ	DA [*]	TE:	
· ·	-		Oth	ner Procurement	t, Navy/Aviatio	on Support Equi	pment	February	1998
P-1 ITEM NOMENCLATUR	E			eadtime (after Oct1			Leadtime :		
OTHER PHOTOGRAPHIC EQ	UIPMENT - Y3SX		8 n	nos			3 mos		
Electronic Workstation Sy	rstem	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		1	1	2	2	1	1	1	1
Unit Cost		136	140	140	140	145	150	151	152
Total Cost		136	140	280	280	145	150	151	152
Asset Dynamics									
Beginning Asset Position		25	26	27	29	31	32	33	34
Deliveries from all prior yea	r funding	1	0	0	0	0	0	0	0
Deliveries from FY 1997 fur	nding	0	1	0	0	0	0	0	0
Deliveries from FY 1998 fur	iding	0	0	2	0	0	0	0	0
Deliveries from FY 1999 fur	iding	0	0	0	2	0	0	0	0
Deliveries from subsequent	years' funding	0	0	0	0	1	1	1	1
Other Gains		0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attrit	tions/etc.	0	0	0	0	0	0	0	0
End of Year Asset Positio	n	26	27	29	31	32	33	34	35
Inventory Objective or Curre	ent Authorized Allowance	54	54	54	54	54	54	54	54
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:	
54	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac	ement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augmen	ıt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other: 54	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	

Inventory objective equals: Four workstations per CV/CVN (4*12) 48 Two each for three shore stations (2*3) <u>6</u> 54

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UNCLASSIFIED CLASSIFICATION:

Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BU	DGET ACTIVIT	Υ	DA	TE:	
			Otl	ner Procurement	, Navy/Aviatio	on Support Equ	ipment	February	1998
P-1 ITEM NOMENCLATURE	E			eadtime (after Oct1			Leadtime :	•	
OTHER PHOTOGRAPHIC EQ	UIPMENT - Y3SX		8 n	nos			3 mos		T
Digital SLR Color Camera		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		0	0	10	3	6	10	11	14
Unit Cost		0	0	27	26	25	25	24	19
Total Cost		0	0	266	78	148	245	262	270
Asset Dynamics					-	-	-	-	-
Beginning Asset Position		64	64	64	63	55	50	49	49
Deliveries from all prior year	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fun		0	0	0	0	0	0	0	0
Deliveries from FY 1998 fun	ding	0	0	10	0	0	0	0	0
Deliveries from FY 1999 fun	ding	0	0	0	3	0	0	0	0
Deliveries from subsequent	years' funding	0	0	0	0	6	10	11	14
Other Gains		0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attriti		0	0	11	11	11	11	11	9
End of Year Asset Position		64	64	63	55	50	49	49	54
Inventory Objective or Curre	ent Authorized Allowance	108	108	108	108	108	108	108	108
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible	e for	Aircraft:	
108	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible	e for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac		TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other: 108	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

Inventory objective equals: Nine cameras per CV/CVN (9*12) 108

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	ΞT			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION/BUD	OGET ACTIVI	ITY					P-1 ITEM NO	MENCLATURE				
OTHER PROCURE	MENT, NA	VΥ						AVIAT	ION LIFE SU	JPPORT SY	STEMS	
Program Element for Co	ode B Items:						Other Related	Program Elen	nents			
BA 3 AVIATION SU	JPPORT E	QUIPMI	ENT									
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST									_			
(In Millions)	\$105.7		\$14.7	\$8.8	\$12.3	\$22.3	\$25.8	\$28.5	\$29.0	\$29.6	Cont.	Cont.

This account provides for the acquisition, upgrade, and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew.

PRC-125 - SY010

-A Search and Rescue Wet Swimmer's Radio that provides a hands-off communications link to the Rescue helicopter. Inventory Objective (IO) is 1,180. Procurements:

FY98 - 198

FY99 - 100

KY-913 PROGRAM LOADER (PRC-112) - SY020

- Loads the pilot's and aircrew's identification code and preprogrammed frequencies into the PRC-112 radio. I.O. is 193. Procurements:

FY97 - 50

SURVIVAL RADIO - SY030

- Non-developmental acquisition to replace the PRC-90 and PRC-90-2 with a state of the art survival radio. This will be a non-combat radio to complement the PRQ-7 CSEL radio. Historically, the Navy has used the PRC-90 to complement the PRC-112, which the PRQ-7 will replace. Major off the shelf technology insertion will be the addition of COSPAS SARSAT

capability. The location of downed aircrew will now be known within 100 meters and 20 minutes of radio beacon activation thereby greatly reducing time to recover downed aircrew and increasing

their probability of safe recovery. IO IS 20,000. Procurements:

FY98 - 250

FY99 - 600

PRC-112 UPGRADES - SY048

- Program to fix water intrusion and frequency problems in the basic PRC-112 radio. I.O. is 3676. Procurements:

FY97 - 1676

FY98 - 2000

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:				
				P-40						Februa	ry 1998		
APPROPRIATION.	/BUDGET ACTIV	ITY					P-1 ITEM NOI	MENCLATURE					
OTHER PROC	UREMENT, NA	VY						AVIAT	ION LIFE SU	JPPORT SY	STEMS		
Program Element f								Other Related Program Elements					
Program Element for Code B Items: BA 3 AVIATION SUPPORT EQUIPMENT													
	Prior	ID									То		
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total	
QUANTITY													
COST (In Millions)	\$105.7		\$14.7	\$8.8	\$12.3	\$22.3	\$25.8	\$28.5	\$29.0	\$29.6	Cont.	Cont.	

COMBAT SURVIVOR EVADER LOCATOR - SY060

-(Joint Program, Air Force lead) A satellite and communications interface system that will be used by forward deployed aircrews for geopositioning and communications relay. IO is 9,000. Procurements:

FY98 - 494 FY99 - 1896

LASER EYE PROTECTION-SY080

-Laser Eye Protection Improvement Program (LEPIP) EDU-5/P Spectacles. This is a USN/USMC Abbreviated Acquisition Program (AAP). The EDU-5/P spectacles are designed to provide day and night multiple wavelength, low energy protection for fixed and rotary wing aircrew in a fixed, multi-wavelength laser threat environment. The spectacles are designed to cause minimal visual and physical encumbrance, and be compatible with current Navy Aviation Life Support Equipment (ALSE), aircraft visual displays and night vision systems. The EDU-5/P spectacles will replace the currently available FV2 laser spectacles which have performance limitations which include 1) day use only, 2) significant color perception distortion of the cockpit display or scene being viewed.

3) incompatibility with Chemical Biological Radiological (CBR) protective assembly, 4) incompatibility with night vision goggles (NVGs), 5) significant reduction of cockpit displays light levels, and 6) hot spot discomfort around the ears from the temple arms. In addition, the EDU-5/P spectacles provide seven (7) wavelength protection as opposed to five (5) wavelength protection provided by the FV2 spectacles. IO is 6400. Procurements:

FY97 - 320

-Joint Service Aircrew Low Energy Multiple Wavelength Advanced Laser Eye Protection Visor (JALEPV) Program. The JALEPV has been designated as a ACAT IVM Program. The Navy is the lead service for this program. The JALEPV is being developed to provide day and night multiple wavelength, low energy protection to address the needs of fixed and rotary wing aircrew in a fixed multiple wavelength laser threat environment. The visor is being developed for compatibility with current Army, and USN/USMC Aviation Life Support Equipment (ALSE) as well as cockpit displays, night vision, and fire control systems. IO is 1400. Procurements:

FY99 - 217

CWU-60/P-SY100

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-An exposure suit for Carrier On-Board Delivery/Vertical On-Board Delivery (COD/VOD) aircrew. IO is 4,350. Procurements:

FY97 - 93

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	Т			DATE:				
				P-40						Februa	ry 1998		
APPROPRIATION/BL	JDGET ACTIVI	TY					P-1 ITEM NOI	MENCLATURE					
OTHER PROCUR	EMENT, NA	VY						AVIAT	ION LIFE SU	JPPORT SY	STEMS		
Program Element for	ogram Element for Code B Items:							Other Related Program Elements					
BA 3 AVIATION S	3 AVIATION SUPPORT EQUIPMENT												
	Prior	ID									То		
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total	
QUANTITY													
COST	# 405 7		0.4.4 7	# 0.0	040.0	# 00.0	005.0	000.5	0000	# 00.0		.	
(In Millions)	\$105.7		\$14.7	\$8.8	\$12.3	\$22.3	\$25.8	\$28.5	\$29.0	\$29.6	Cont.	Cont.	

HELICOPTER EMERGENCY EGRESS DEVICE P3 (HEED P3I)-SY110

-An improved and smaller device than the current HEED. Provides improved performance, reliability, maintainability, and compatibility with aircrew life support and personal protective equipment.

IO IS 6,000. Procurements:

FY97 - 591

AIRCREW INTEGRATED SURVIVAL/ARMOR PROTECTION (AISAP)-SY120

-An optimized vest/armor system with modularity for the mission specific requirements of combat helicopter aircrews. IO is 3,568. Procurements:

FY98 - 1575

FY99 - 302

PASSENGER AND TROOP SURVIVAL SYSTEM (PATSS) - SY130

-A system developed to provide personal flotation that is compatible with other protective, survival and combat equipment. IO is 8,652. Procurements:

FY99 - 1863

MINI-RAFT BACK PACK-SY150

-Constant wear emergency flotation platform for helicopter aircrewman. IO is 5,900. Procurements:

FY97 - 80

FY99 - 285

NAVY COMBAT EDGE (NCE)-SY170

-The NCE is an integrated aircrew flight ensemble designed to increase aircrew protection from the physiological hazards associated with high positive acceleration (+G) forces. During exposure to +G acceleration, blood pooling occurs in the lower portions of the body depriving the brain of an adequate supply of oxygenated blood and causing a loss of vision followed by loss of consciousness. The NCE provides enhanced acceleration protection through the use of Assisted Positive Pressure Breathing (APPB), a counter pressure vest and an anti-G garment. The NCE system consists of several individual components (HGU-87/P helmet and KMU-561 modification kit; MBU-24/P oxygen mask; CSU-21/P counter pressure vest; CRU-103/PG compression oxygen breathing regulator; CSU-20/P lower anti-G garment; and Anti-G valve). IO is 1,821. Procurements:

FY97 - 147

FY98 - 330

FY99 - 237

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		BU	DGET ITEM	JUSTIFICA	TION SHEE	ΞT			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION/B	UDGET ACTIVI	ITY					P-1 ITEM NO	MENCLATURE				
OTHER PROCUE	REMENT, NA	VY						AVIAT	ION LIFE SU	JPPORT SY	STEMS	
Program Element for	Code B Items:						Other Related	Program Elen	nents			
BA 3 AVIATION	SUPPORT E	QUIPMI	ENT									
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST (In Millions)	\$105.7		\$14.7	\$8.8	\$12.3	\$22.3	\$25.8	\$28.5	\$29.0	\$29.6	Cont.	Cont.

AMELIA - SY175

- An integrated aircrew flight ensemble which provides small and large aviators, including females, with new and/or upgraded systems to ensure safe and effective performance in Naval aircraft. IO is 1,200. Procurements:

FY99 - 400

NIGHT VISION DEVICES -SY210

-Night Vision Devices (NVD) are used by Rotary Wing, Fixed Wing, and TACAIR platforms as a situational awareness enhancement for night operations and are critical to mission success. IO is 1,000. Procurements:

FY97 - 197

FY98 - 216

FY99 - 536

LOW PROFILE FLOTATION COLLAR-SY220.

-A flotation device for aircrews that is less bulky and better integrates with existing life support equipment aircrew stations. IO is 10,700. Procurements:

FY97 - 2161

FY98 - 600

FY99 - 2350

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	WEAPONS SYSTEM CO P-5	ST AN	IALYSIS			Weapon Sy	stem							DATE:	ary 1998
_	PRIATION/BUDGET ACTIVITY					ID Code	35582							I CDI G	ary 1330
	Procurement, Navy														
BA 3 A	VIATION SUPPORT EQUIPMENT						AVIATION	LIFE SUF	PPORT SY	STEMS 4	3SY				
			TOTAL COS	T IN THOUS	SANDS OF D	OOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SY010	PRC-125	Α	226	0		0	0		0	198	2,000	396	100	2,200	220
	KY-913 PROGRAM LOADER (PRC-112)	Α	275	0		0	50	2,000	100	0	,	0	0	,	0
SY030	SURVIVAL RADIO	В	0	0		0	0		0	250	1,200	300	600	1,050	630
	PRC-112 P3I (GPS)	Α	3,513	0		0	0		0	0		0	0		0
	PRC-112 P3I (GPS) INTERROGATOR	Α	0	12	49,583	595	0		0	0		0	0		0
	PRC-112 UPGRADES	Α	0	0		0	1,676	250	419	2,000	250	500	0		0
	COMBAT SURVIVOR EVADER LOCATOR	В	0	0		0	0		0	494	7,000	3,458	1,896	5,800	10,997
	LASER EYE PROTECTION	В	0	0		0	320	1,400	448	0	0	0	217	1,747	379
	CWU-60/P	Α	0	4,257	700	2,980	93	700	65	0		0	0		0
	HEED P3I	Α	0	5,409	402	2,172	591	254	150	0		0	0		0
	AISAP (BODY ARMOR)	A	1,239	841	1,240	1,043	0		0	1,575	1,100	1,733	302	1,250	378
	PATSS PAESS	A	0	4,238	186 682	787 682	0		0	0	0	0	1,863	215	401
-	EXTREME COLD WEATHER SURVIVAL KIT	A A	673 0	1000 147	2.048	301	0		0	0	0	0	0		C
-	MINI-RAFT BACKPACK	A	0	978	604	591	80	550	44	0		0	285	700	200
	NAVY COMBAT EDGE	В	0	155	7.148	1,108	147	4,500	663	330	4,000	1,330	237	4,000	
	AMELIA	A	0	0	7,140	0	0	4,300	0	0	4,000	1,330	400	750	
	NIGHT VISION DEVICES	A	0	0		0	197	9,845	1,939	216	7,250	1,566	536		
	LOW PROFILE FLOTATION COLLAR	A	0	0		0	2.161	324	702	600	323	194	2,350		
	MISCELLANEOUS Var 1/	A	97,483	Ü			2,101	021	702	000	020	101	2,000	000	010
SY830	PRODUCTION SUPPORT SERVICES		1,761			4,412			4,228			2,832			3,308
	M 2446, JUN 86 P-1 SH	HOPPIN	105,169			14,671			8,758			12,309 CLASSIFICA			22,277

ITEM NO. 135 PAGE NO. 5 OF 48

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	RY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
									February 19	98
B. APPROPRIATION/BUDGE Other Procurement, BA 3 AVIATION SUP	Navy	PMENT			C. P-1 ITEM NON	MENCLATURE IFE SUPPORT SYSTEMS	8		SUBHEAD 43	35582 SSY
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY010 PRC-125 FY-1998 FY-1999	198 100	2 2.2	DESC, COLUMB.,OH DESC, COLUMB.,OH	10/97 N/A	C/FP OPTION	TBD TBD	06/98 02/99	06/99 02/00	YES YES	N/A N/A
SY020 KY-913 PROGRAMMER FY-1997	50	2	ARMY, TOBY., PA	05/96	OPTION	MOTOROLA	08/97	08/98	YES	N/A
SY030 SURVIVAL RADIO FY-1998 FY-1999	250 600	1.2 1.05	NAWC, PAX NAWC, PAX	10/97 N/A	C/FP OPTION	TBD TBD	05/98 02/99	05/99 02/00	YES YES	N/A N/A
SY048 PRC-112 UPGRADES FY-1997 FY-1998	1676 2000	0.25 0.25	US ARMY, TOBY. US ARMY, TOBY.	N/A N/A	MIPR MIPR	US ARMY, TOBYHANNA US ARMY, TOBYHANNA	04/97 04/98	04/98 04/99	YES YES	N/A N/A
D. DEMARKO										

			KS

SY048 - UPGRADE PERFORMED BY ARMY DEPOT.

SY060 - FY97 PROCUREMENT IS FOR LASER SPECTACLES, FY98-99 IS FOR LASER VISORS.

P-1 SHOPPING LIST ITEM NO. 135 Classification:

PAGE NO. 6 OF 48

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE		
									February 19	98
B. APPROPRIATION/BUDGET Other Procurement, N BA 3 AVIATION SUPP	lavy	IPMENT			C. P-1 ITEM NON	MENCLATURE	S		SUBHEAD 43	35582 SY
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY060 COMBAT SURVIVOR EVADER LOCATOR FY-1998 FY-1999	494 1896	7 5.8	USAF USAF	10/97 N/A	C/FP OPTION	BOEING BOEING	05/98 10/98	05/99 09/99	YES YES	N/A N/A
SY080 LASER EYE PROTECTION FY-1997 (SPECS) FY-1999 (VISORS)	320 217	1.4 1.747	NAWC PAX RIVER NAWC PAX RIVER	03/96 03/96	C/FP C/FP	KAISER, CA (SPECS) AOTEC, MASS (VISORS)	10/96 10/98	11/97 12/98	YES YES	N/A N/A
SY100 CWU-60/P										
FY-1997 SY110 HEED	93	0.7	NAVICP, PHIL	N/A	OPTION	MUSTANG, WA	06/97	09/98	YES	N/A
FY-1997	591	0.254	NAWC PAX RIVER	05/97	SS	US DIVERS/AQUA-LUNG, CA	06/97	02/98	YES	N/A
D. DEMOKO										

D. REMARKS

SY080 - FY97 PROCUREMENT IS FOR LASER SPECTACLES, FY99 IS FOR LASER VISORS.

P-1 SHOPPING LIST

ITEM NO. PAGE NO. 135

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Classification:

UNCLASSIFIED

IENT HISTO	DRY AND	PLANNING EXHIBI	Γ (P-5A)		Weapon System		A. DATE		
								February 19	98
ACTIVITY				C. P-1 ITEM NOM	IENCLATURE			SUBHEAD	35582
lavy								43	SY
ORT EQUI	PMENT			AVIATION LI	FE SUPPORT SYSTEM	S			
QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
					TBD			_	N/A
302	1.25	DPSC, PHIL	N/A	OPTION		10/98	03/99	YES	N/A
1863	0.215	NAVICP, PHIL	N/A	OPTION	TBD	01/99	10/99	YES	N/A
80 285	0.55 0.7	NAVICP, PHIL NAVICP, PHIL	05/97	OPTION OPTION		03/97 10/98	03/98 08/99	YES YES	N/A N/A
	ACTIVITY lavy ORT EQUI QUANTITY 1575 302 1863	ACTIVITY lavy PORT EQUIPMENT QUANTITY UNIT COST (000) 1575 1.1 302 1.25 1863 0.215	ACTIVITY Iavy PORT EQUIPMENT LOCATION OF PCO	QUANTITY	ACTIVITY Iavy ORT EQUIPMENT AVIATION LITED AVIATION LITED CONTRACT METHOD & TYPE	ACTIVITY Iday ORT EQUIPMENT C. P-1 ITEM NOMENCLATURE	ACTIVITY Iavy ORT EQUIPMENT LOCATION RFP ISSUE DATE METHOD CONTRACT AVAID LIFE SUPPORT SYSTEMS	ACTIVITY Iavy ORT EQUIPMENT	ACTIVITY AVIATION LIFE SUPPORT SYSTEMS AVIATION LIFE SUPPORT SYSTEMS AVIATION LIFE SUPPORT SYSTEMS AVIATION LIFE SUPPORT SYSTEMS AVIATION LIFE SUPPORT SYSTEMS AVIATION LIFE SUPPORT SYSTEMS AVIATION LIFE SUPPORT SYSTEMS AVIATION LIFE SUPPORT SYSTEMS DATE OF SPECS AVAILABLE NOW

D. REMARKS

Classification: P-1 SHOPPING LIST ITEM NO. DD Form 2446-1, JUL 87 135 UNCLASSIFIED 8 OF 48 PAGE NO.

UNCLASSIFIED

BUDGET PROCUREN	MENT HISTO	DRY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
						. ,			February 19	98
B. APPROPRIATION/BUDGET	F ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	35582
Other Procurement, I	Navy								43	SY
BA 3 AVIATION SUP	PORT EQUI	PMENT				IFE SUPPORT SYSTEM	S			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY170 NAVY COMBAT EDGE										
FY-1997 FY-1998	147 330	4.5 4	USAF/NAVICP, PHIL USAF/NAVICP, PHIL	N/A N/A	OPTION OPTION		09/97 01/98	09/98 01/99	YES YES	N/A N/A
FY-1999	237	4	USAF/NAVICP, PHIL	N/A	OPTION		10/98	10/99	YES	N/A
SY175 AMELIA FY-1999	400	0.75	DPSC, PHIL	10/98	C/FP	TBD	10/98	08/99	NO	10/99
SY210 NIGHT VISION DEVICES FY-1997 FY-1998 FY-1999	197 216 536	9.845 7.25 6.847	US ARMY US ARMY US ARMY	N/A N/A N/A	OPTION OPTION OPTION	ITT, ROANOKE, VA ITT, ROANOKE, VA ITT, ROANOKE, VA	05/97 01/98 10/98	12/97 09/98 04/99	YES YES YES	N/A N/A N/A
SY220 LOW PROFILE FLOTA- TION COLLAR										
FY-1997 FY-1997	1500 661	0.324 0.324	NAWC CHINA LAKE, CA NAWC CHINA LAKE, CA	09/96 N/A	C/FP OPTION	SEI, ASHVILLE, NC SEI, ASHVILLE, NC	03/97 08/97	10/97 04/98	YES YES	N/A N/A
FY-1998 FY-1999	600 2350	0.323 0.36	NAWC CHINA LAKE, CA NAWC CHINA LAKE, CA	N/A N/A	OPTION OPTION	SEI, ASHVILLE, NC SEI, ASHVILLE, NC	12/97 10/98	08/98 04/99	YES YES	N/A N/A

SY210 - FY97 TOTAL INCLUDES \$100K FOR PROCUREMENT OF 50 TEST SETS.

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 135 Classification:

PAGE NO. 9 OF 48

FY 1998/99 BUDGET PRODU			DULE	E, P-2	1													DATE				Febr	uary	199	98					
APPROPRIATION/BUDGET AC OTHER PROCUREMENT										Wea	apor	i Sys	stem)		ITE IATI		IOM	ENC	CLAT	ΓURI	E								
						Production Rate								Pro	cure	mer	nt Le	adtiı	mes	;										
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SY010, PRC-125	TBD					20		30		80		7		5			12			12			17			mo	nths			
SY020, KY-913 Programmer	Moto	rola, <i>F</i>	Arizona	а		30		50	50 10		100		7					12			12			23			mo			
SY030, Survival Radio	TBD					40	10 1		100 2		200		7					12			12			17			mo			
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ITEM / MANUFACTURER	F	S	Q	D	В								CALE	NDAR	YEAF	R 199	7			,			CA	LEND	AR Y	EAR 1	998			
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SY010 PRC-125/ TBD	98 99	N N	198 100	0	198 100																					Α				198 100
SY020, KY-913/MOTOROLA	97	N	50	0	50											Α												30	20	0
SY030, SURVIVAL RADIO/TBD	98 99	N N	250 600	0	250 600																				Α					250 600
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										FISC	AL YE	EAR 1	999									FIS	CAL Y	′EAR	2000		<u> </u>			
ITEM / MANUFACTURER	F	S	Q	D	В								CALE	NDAR	YEAF	R 199	9						CA	LEND	AR Y	EAR 2	2000			
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SY010, PRC-125/ TBD	98 99	N N	198 100	0	198 100					Α				50	50		48					30		30						0
SY030, SURVIVAL RADIO/TBD	98	N N	250 600	0	250 600					A			50	50	50	50	50					75	75	75	75	75	75	75	75	0
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APPROPRIATION/BUDGET ACTION OF THE PROCUREMENT,													Wea	apor	า Sy	sten	1		ITEI IATI		ОМ	ENC	LAT	URI						
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SY110, HEED SY120, AISAP (ARMOR)		ivers/ nc./TE	Aqua- 3D	Lung,	CA	150 50		330 200		500 500		7 7			9			8 7			5 5			17 7				nths nths		
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ITEM / MANUFACTURER	F	S	Q	D	В								CALE	NDAR	YEA	R 199	97						CA	LEND	AR Y	EAR 1	1998			
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SY110, HEED/US Divers/Aqua-Lung	97	N	591	0	591									Α								300	291							0
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SY130, PATSS/TBD	99	N	1863	0	1863																									1863
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FY 1998/99 BUDGET PRODU			DULE	, P-2	1													DATE				ebru								
APPROPRIATION/BUDGET AN OTHER PROCUREMENT													Wea	apor		stem		ΑV	ITEI IATI(ON		ENC	LAT	URI	Ē					
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ltem	١		nufactu and L		n	M	SR	1-8	8-5	M	AX		T P			_T A Oct			Initia fg PL			eord fg Pl		,	Tota	al		Un Mea	it of asure	
SY150, Mini-Raft Backpack	Patte	n, FL				30		100		300		7			0			10			9			10			mo	nths		
SY170, Navy Combat Edge	TBD					27		75		200		7			0			12			12			12			mo	nths		
																														<u> </u>
																												_	_	_
ITEM / MANUFACTURER	F	S	Q	D	В								AL YE			R 199	17					FISC		EAR LEND		EAR 1	998			
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	J J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J	A U G	S E P	B A L
SY150, Mini-Raft Backpack/TBD	97 99	N N	80 285	0	80 285						Α												40	40						0 285
SY170, Navy Combat Edge/TBD	97 98	N N	147 330	0	147 330												Α				Α								32	115 330
	99	N	237	0	237					FISO	CAL Y	EAR	1999		<u> </u>							FISC	CAL Y	EAR	2000					237
ITEM / MANUFACTURER	F	S	Q	D	В									NDAR	YEA	R 199	19							LEND		EAR 2	2000			ĺ
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
SY150, Mini-Raft Backpack/TBD	99	N	285	0	285	Α										125	125	35												0
SY170, Navy Combat Edge/TBD	97	N	147	32	115	35	40	40																						0
OTT70, Navy Oombat Euge/TBB	98 99	N N	330 237	0	330 237	A	10	70	40	40	40	40	40	40	30	30	30	30	30	30	30	30	30	30	27					0
Remarks:																														

FY 1998/99 BUDGET PRODUCT			DULE	E, P-21														DATE			F	ebr	uary	199	8					
APPROPRIATION/BUDGET ACT													Wea	apon	Sys	stem		P-1			OME	NC	LAT	URE						
OTHER PROCUREMENT, I	NAV	Y													_				IATI											
							Prod	duct	ion l	Rate								nt Le			_									
16			ufactu				_		. -		۸ ۱/		T P			T Al			nitia			eord			.				it of	
Item		vame	and L	ocatio	n		SR		3-5	M	4X		Oct	1		Oct '	1		g Pl	<u>- I </u>	_	fg P	LI		Tota	NI .		Mea	sure	е
,	TBD	/ ^				20		50		300		7			0			10 7			6			10 7				nths		
SY210, Night Vision Devices SY220, Low Profile Flotation CIr.	ITT, \	/A Aobuill	lo NC			20		150		200		7			0			6			6			6				nths		
S1220, Low Profile Plotation Cir.	SEI, /	ASHVIII	ie, ivo	•		30		250		300					U			0			О			0			ШО	nths		
												FISC	AL YE	AR 1	997							FISC	CAL Y	EAR	1998					
ITEM / MANUFACTURER	F	S	Q	D	В								CALE	NDAR	YEA	₹ 199	7						CA	LEND	AR Y	EAR 1	998			
	Υ	V C	T Y	E L	A L	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B A
		C	Y			C T	0 V	E C	A N	E B	A R	P R	A Y	U	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U	U L	U G	E P	L
SY 175 AMELIA/TBD	99	N	400	0	400																									400
SY210, Night Vision Devices/ITT	97	N	197	0	197								Α							21	21	21	21	21	23	23	23	23		0
51216, Mg/K Violeti Beviece/111	98	N	216	0	216								,,								A							20	30	-
	99	N	536	0	536																									536
SY220, Low Profile Flotation Clr./SEI	97	N	1500	0	1500						Α							250	250	250	250	250	250							0
31220, LOW Floring Floriation Cir./3L1	97	N	661	0	661											Α		230	230	230	230	230	230	55	55	55	55	55	55	331
	98	N	600	0	600															Α								50	50	500
	99	N	2350	0	2350																									2350
										FISC	CAL Y	EAR										FISC	CAL Y	EAR	2000					
ITEM / MANUFACTURER	F Y	S V	Q	D	В		1 1						CALE	NDAR	YEAI	R 199	9		I			1	CA	LEND	AR Y	EAR 2	2000			_
	Y	V C	T Y	E L	A L	0	N	D	J	F	M	Α	M	J	S	A	S	0	N	D	J	F	M	Α	M	J	J	A	S	B A
						C T	0 V	E C	A N	E B	A R	P R	A Y	U N	E P	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
SY175, AMELIA/TBD	99	N	400	0	400	Α										40	40	40	40	40	40	40	40	40	40					0
SY210, Night Vision Devices/ITT	98	N	216	30	186	30	30	30	30	30	36																			0
	99	N	536	0	536	A						45	45	45	45	45	45	45	45	45	45	45	41							0
Low Drofile Flototion Colley/CFI	07		004	220	224																									
Low Profile Flotation Collar/SEI	97 98	N N	661 600	330 100	331 500	55 50	55 50	55 50		55 50	56 50	50	50	50	50															0
	99	N	2350	0	2350	A	30	50	30	30	50		l		200	200	200	200	200	200	200	200	150							0
Remarks:																														

Exhibit P-20, Requiremen	nts Study		AP	PROPRIATION/BU	DGET ACTIVITY	/	DA	TE:	
•	•					OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1)):		Prod Leadtime :	-	
PRC-125					5 MONTI	HS		12 MC	ONTHS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 200	0 FY 2001	FY 2002	FY 2003
Buy Summary		0	0	198	100	97			
Unit Cost				2.00	2.20	2.20			
Total Cost				\$396.0	\$220.0	\$213.4			
Asset Dynamics									
Beginning Asset Position		785	785	785	785	983	1083	1180	1180
Deliveries from all prior year	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fund	ding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 fund	ding	0	0	0	198	0	0	0	0
Deliveries from FY 1999 fund	ding	0	0	0	0	100	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	0	97	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ons/etc.								
End of Year Asset Position		785	785	785	983	1083	1180	1180	1180
Inventory Objective or Currer	nt Authorized Allowance	1180	1180	1180	1180	1180	1180	1180	1180
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles El	igible for	Aircraft:	
1180	Expenditures	Usage		(Vehicles/Other)			eplacement:	TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles El	igible for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Re	eplacement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Aug	gment:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

P-1 SHOPPING LIST CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86 ITEM NO. 135 PAGE NO. 17 OF 48

Exhibit P-20, Requiremen	nts Study		A	PPROPRIATION/BL	IDGET ACTIVIT	ΓΥ		DATE:	
•	-					OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin L	eadtime (after Oct1)):	Prod	d Leadtime :		
KY-913 PROGR	AMMER				11 MON	THS		12 MC	ONTHS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		0	50	0	0	0	0	0	0
Unit Cost			2						
Total Cost			\$100.0						
Asset Dynamics									
Beginning Asset Position		143	143	143	193	193	193	193	193
Deliveries from all prior year	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fund		0	0	50	0	0	0	0	0
Deliveries from FY 1998 fund	ding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 fund	ding	0	0	0	0	0	0	0	0
Deliveries from subsequent y	years' funding	0	0	0	0	0	0	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti	ons/etc.								
End of Year Asset Position	=	143	143	193	193	193	193	193	193
Inventory Objective or Current	nt Authorized Allowance	193	193	193	193	193	193	193	193
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligible	e for	Aircraft:	
193	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible	e for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac		TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augme	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:		-	·	Inactive Inv:	
TOTAL:								Storage:	
Remarks:							·		

P-1 SHOPPING LIST

ITEM NO. 135 PAGE NO. 18 OF 48

CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86

Exhibit P-20, Requireme	nts Study		API	PROPRIATION/BUD	GET ACTIVITY	/	DA	ATE:	
_						OPN		February	1998
P-1 ITEM NOMENCLATURE	=		Admin Le	adtime (after Oct1):		Prod	Leadtime :		
Survival Radio			_		5 MONT	HS		12 M	ONTHS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			1						
Unit Cost		0	0	250	600	1000	4787	6704	3830
Total Cost				1.200	1.050	0.950	0.900	0.850	0.900
				\$300.0	\$630.0	\$950.0	\$4,308.3	\$5,698.4	\$3,447.0
Asset Dynamics									
Beginning Asset Position		0	0	0	0	250	850	1850	6637
Deliveries from all prior year		0	0	0	0	0	0	0	0
Deliveries from FY 1997 fund	<u> </u>	0	0	0	0	0	0	0	0
Deliveries from FY 1998 fund		0	0	0	250	0	0	0	0
Deliveries from FY 1999 fund	ŭ	0	0	0	0	600	0	0	0
Deliveries from subsequent	years' funding	0	0	0	0	0	1000	4787	6704
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti									
End of Year Asset Position		0	0	0	250	850	1850	6637	13341
Inventory Objective or Curre		20000	20000	20000	20000	20000	20000	20000	20000
Inventory Objective	Actual Training	Other than Trair	ning	Disposals		Vehicles Eligible		Aircraft:	
20000	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replace		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replace	ment:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augment	:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:		·	·	·		·	·	·	·

Remarks:

P-1 SHOPPING LIST

ITEM NO. 135 PAGE NO. 19 OF 48

CLASSIFICATION:

Exhibit P-20, Requiremen	nts Study		А	PPROPRIATION/BUI	DGET ACTIVITY			DATE:	
						OPN		February	1998
P-1 ITEM NOMENCLATURE	<u>:</u>		Admin L	eadtime (after Oct1):		_	d Leadtime :		
PRC-112 Upgrades			,		7 MONT	HS	_	12 MON	THS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 200	1 FY 2002	FY 2003
Buy Summary		0	1676	2000	0	0	0	0	0
Unit Cost			0.250	0.250					
Total Cost			\$419.0	\$500.0					
Asset Dynamics									
Beginning Asset Position		0	0	0	840	2678	3676	3676	3676
Deliveries from all prior year f	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fund	ling	0	0	840	836	0	0	0	0
Deliveries from FY 1998 fund	ling	0	0	0	1002	998	0	0	0
Deliveries from FY 1999 fund	ling	0	0	0	0	0	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	0	0	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ons/etc.								
End of Year Asset Position		0	0	840	2678	3676	3676	3676	3676
Inventory Objective or Curren	nt Authorized Allowance	3676	3676	3676	3676	3676	3676	3676	3676
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligibl	e for	Aircraft:	
3676	Expenditures	Usage		(Vehicles/Other)		FY 1998 Repla	cement:	TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligibl	e for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Repla	cement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augme	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:	-			•		•			

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BUD	GET ACTIVITY		D	ATE:	
-	-					OPN		February 1	998
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1):		Prod	Leadtime :		
Combat Survivor Evade	er Locator				0 MONTHS	<u> </u>		11 MONT	HS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		0	0	494	1896	2727	2800	982	0
Unit Cost				7.000	5.800	5.500	5.500	6.300	
Total Cost				\$3,458.0	\$10,996.8	\$14,998.5	\$15,400.0	\$6,186.6	
Asset Dynamics									
Beginning Asset Position		0	0	0	0	652	2390	5117	7917
Deliveries from all prior year	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fund	ding	0	0	0	0	0	0	0	0
Deliveries from FY 1998 fund	ding	0	0	0	494	0	0	0	0
Deliveries from FY 1999 fund	ding	0	0	0	158	1738	0	0	0
Deliveries from subsequent y	vears' funding	0	0	0	0	0	2727	2800	982
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti									
End of Year Asset Position		0	0	0	652	2390	5117	7917	8899
Inventory Objective or Curre		9000	9000	9000	9000	9000	9000	9000	9000
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligible for		Aircraft:	
9000	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replacem		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible for		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replacem	ent:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augment:		Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requireme	nts Study		Д	PPROPRIATION/BU	IDGET ACTIVITY			DATE:	
						OPN		February	/ 1998
P-1 ITEM NOMENCLATURI	Ξ		Admin I	_eadtime (after Oct1)	:	Proc	Leadtime :		
Laser Eye Protection					9 MONTH	S		7 MON	THS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		0	320	0	217	845	1871	2000	1587
Unit Cost			1,400	0.000	1.747	1.747	1.200	1.200	1,200
Total Cost			\$448.0	\$0.0	\$379.1	\$1,476.2	\$2,245.2	\$2,400.0	\$1,904.4
Asset Dynamics									
Beginning Asset Position		0	0	0	320	537	537	1382	3253
Deliveries from all prior year	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fun		0	0	320	0	0	0	0	0
Deliveries from FY 1998 fun	ding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 fun	ding	0	0	0	217	0	0	0	0
Deliveries from subsequent	years' funding	0	0	0	0	0	845	1871	2000
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End of Year Asset Position	า	0	0	320	537	537	1382	3253	5253
Inventory Objective or Curre		7800	7800	7800	7800	7800	7800	7800	7800
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligible for		Aircraft:	
7800	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replaceme		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible for		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replaceme	ent:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augment:		Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:		•				•		-	•

Remarks:

DD Form 2454, JUN 86

P-1 SHOPPING LIST CLASSIFICATION: ITEM NO. 135 PAGE NO. 22 OF 48

Exhibit P-20, Requiremen	nts Study		AP	PROPRIATION/BU	DGET ACTIVIT	Υ		DATE:	
, .	•					OPN		February	1998
P-1 ITEM NOMENCLATURE	<u> </u>		Admin Lo	eadtime (after Oct1)):	Pro	d Leadtime :		
CWU-60/P					9 MONT	нѕ	•	15 MON	тнѕ
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 200	1 FY 2002	FY 2003
Buy Summary		4257	93	0	0	0	0	0	0
Unit Cost		0.700	0.700						
Total Cost		\$2,979.9	\$65.1						
Asset Dynamics									
Beginning Asset Position		0	0	1084	4350	4350	4350	4350	4350
Deliveries from all prior year	funding	0	1084	3173	0	0	0	0	0
Deliveries from FY 1997 fund	ding	0	0	93	0	0	0	0	0
Deliveries from FY 1998 fund	ding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 fund	ding	0	0	0	0	0	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	0	0	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition									
End of Year Asset Position	1	0	1084	4350	4350	4350	4350	4350	4350
Inventory Objective or Currer	nt Authorized Allowance	4350	4350	4350	4350	4350	4350	4350	4350
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligibl		Aircraft:	
4350	Expenditures	Usage		(Vehicles/Other)		FY 1998 Repla		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligibl	e for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Repla	cement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augme	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:
DD Form 2454, JUN 86 ITEM NO. 135 PAGE NO. 23 OF 48

Exhibit P-20, Requiremen	nts Study		AP	PROPRIATION/BU	IDGET ACTIVIT	Υ		DATE:	
-						OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin Le	adtime (after Oct1)	:	Pr	od Leadtime :		
Helicopter Emergency E	gress Device			, ,	9 MONT	HS		8 MO	NTHS
		EV 4000	FV 4007	EV 4000	EV 4000	EV 0000	E)/ 000/	EV 0000	EV 0000
Den Company		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 200 ²		FY 2003
Buy Summary Unit Cost		5409	591	0	0	0	0	0	0
Total Cost		0.402	0.254						
Asset Dynamics		\$2,172.0	\$150.1						
Beginning Asset Position		_	_						
Deliveries from all prior year	funding	0	0 4500	4500	6000	6000	6000	6000	6000
Deliveries from FY 1997 fund				909	0	0	0	0	0
Deliveries from FY 1998 fund	Ŭ	0	0	591 0	0	0	0	0	0
Deliveries from FY 1999 fund	<u> </u>	0	0	0	0	0	0	0	0
Deliveries from subsequent y	3	0	0	0	0	0	0	0	0
Other Gains	ears runding	0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ons/etc.								
End of Year Asset Position		0	4500	6000	6000	6000	6000	6000	6000
Inventory Objective or Currer	nt Authorized Allowance	6000	6000	6000	6000	6000	6000	6000	6000
Inventory Objective	Actual Training	Other than Trainir		Disposals		Vehicles Eligi		Aircraft:	
6000	Expenditures	Usage		(Vehicles/Other)		FY 1998 Rep		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligi		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Rep		TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augm	ent:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:		•		BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86 ITEM NO. 135 PAGE NO. 24 OF 48

Exhibit P-20, Requiremen	nts Study		AF	PROPRIATION/BUD	GET ACTIVITY		DA	TE:	
						OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin L	eadtime (after Oct1):		Prod	Leadtime :		
Aircrew Integrated Surviv	val / Armor Protection				0 MONTH	IS		7 MONT	'HS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		841	0	1575	302	0	0	0	0
Unit Cost		1.240		1.100	1.250				
Total Cost		\$1,042.8		\$1,732.5	\$377.5				
Asset Dynamics									
Beginning Asset Position		850	850	1691	2291	3568	3568	3568	3568
Deliveries from all prior year f	unding	0	841	0	0	0	0	0	0
Deliveries from FY 1997 fund		0	0	0	0	0	0	0	0
Deliveries from FY 1998 fund	ing	0	0	600	975	0	0	0	0
Deliveries from FY 1999 fund	ing	0	0	0	302	0	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	0	0	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ons/etc.								
End of Year Asset Position		850	1691	2291	3568	3568	3568	3568	3568
Inventory Objective or Curren	t Authorized Allowance	3568	3568	3568	3568	3568	3568	3568	3568
Inventory Objective	Actual Training	Other than Trainin	ıg	Disposals		Vehicles Eligible	e for	Aircraft:	
3568	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac	cement:	TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac	cement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:	·	FY 1995:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:	·	FY 1994:			·	BAI	
Other:	FY 1993:	FY 1993:	·	FY 1993:			·	Inactive Inv:	
TOTAL:							Storage:		

Remarks:

DD Form 2454, JUN 86

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requiremen	nts Study		AF	PROPRIATION/BU	DGET ACTIVITY	Y		DATE:	
						OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin L	eadtime (after Oct1)	:		Prod Leadtime :		
Passenger and Troop Su	rvival System				4 MONTI	HS		9 MON	гнѕ
		FY 1996	FY 1997	FY 1998	FY 1999	FY 200	0 FY 200	01 FY 2002	FY 2003
Buy Summary		4238	0	0	1863	0	0	0	0
Unit Cost		0.186		-	0.215		,	-	
Total Cost		\$787.0			\$400.5				
Asset Dynamics									
Beginning Asset Position		0	0	564	2487	4238	6101	6101	6101
Deliveries from all prior year f	unding	0	564	1923	1751	0	0	0	0
Deliveries from FY 1997 fund	ing	0	0	0	0	0	0	0	0
Deliveries from FY 1998 fund	ing	0	0	0	0	0	0	0	0
Deliveries from FY 1999 fund	ing	0	0	0	0	1863	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	0	0	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition									
End of Year Asset Position		0	564	2487	4238	6101	6101	6101	6101
Inventory Objective or Curren		8652	8652	8652	8652	8652	8652	8652	8652
Inventory Objective	Actual Training	Other than Training	ng	Disposals		Vehicles El		Aircraft:	
8652	Expenditures	Usage FY 1996 thru		(Vehicles/Other)			eplacement:	TOAI:	
Assets Rqd For Combat	FY 1996 thru		FY 1996 thru		Vehicles El		PAA:		
Loads:	XXXXX:		XXXXX: FY 1995:			eplacement:	TAI		
WRM Rqmt:						Vehicle Au	gment:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:		-		BAI	
Other:	FY 1993:	FY 1993:		FY 1993:		-		Inactive Inv:	
TOTAL: Remarks:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 135 PAGE NO. 26 OF 48

Exhibit P-20, Requiremen	nts Study		AP	PROPRIATION/BU	DGET ACTIVITY	Y		DATE:	
	•					OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1)):	Prod	Leadtime :	-	
Mini-Raft Backpack					0 MONTI	HS		10 MON	THS
D 0		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 200		FY 2003
Buy Summary		978	80	0	285	0	1541	1541	0
Unit Cost Total Cost		0.680	0.550		0.700	0.000	0.400	0.400	
Asset Dynamics		\$591.0	\$44.0		\$199.5	\$0.0	\$616.4	\$616.0	
Beginning Asset Position		0	0	150	1058	1308	4040	2884	4425
Deliveries from all prior year	funding	0	150	150 828	1058	1308	1343	2884	4425 0
Deliveries from FY 1997 fund		0	0	80	0	0	0	0	0
Deliveries from FY 1998 fund	<u> </u>	0	0	0	0	0	0	0	0
Deliveries from FY 1999 fund		0	0	0	250	35	0	0	0
Deliveries from subsequent y	3	0	0	0	0	0	1541	1541	0
Other Gains	<u> </u>								
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritic									
End of Year Asset Position		0	150	1058	1308	1343	2884	4425	4425
Inventory Objective or Currer		5900	5900	5900	5900	5900	5900	5900	5900
Inventory Objective	Actual Training	Other than Traini	ng	Disposals		Vehicles Eligible		Aircraft:	
5900	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru XXXXX:		FY 1996 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:		XXXXX:		FY 1999 Replac		TAI		
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augmen	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL: Remarks:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requiremen	its Study			APPROPRIATION/BUI	OGET ACTIVITY		D	ATE:	
	•					OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin	Leadtime (after Oct1):		Pro	d Leadtime :		
Navy Combat Edge					0 MONTI	HS		12 MON	THS
		FY 1996	FY 199	7 FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		155	147	330	237	479	373	0	0
Unit Cost		4.000	4.500	4.000	4.000	4.000	4.000		
Total Cost		\$1,108.0	\$663.0	\$1,320.0	\$948.0	\$1,916.0	\$1,492.0		
Asset Dynamics									
Beginning Asset Position		0	0	0	187	632	989	1441	1721
Deliveries from all prior year t	unding	0	0	155	0	0	0	0	0
Deliveries from FY 1997 fund	ing	0	0	32	115	0	0	0	0
Deliveries from FY 1998 fund	ing	0	0	0	330	0	0	0	0
Deliveries from FY 1999 fund	ing	0	0	0	0	237	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	120	452	280	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition									
End of Year Asset Position		0	0	187	632	989	1441	1721	1721
Inventory Objective or Currer		1821	1821	1821	1821	1821	1821	1821	1821
Inventory Objective	Actual Training	Other than Training	g					Aircraft:	
1821	Expenditures	Usage		Disposals		Vehicles Eligible		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		(Vehicles/Other)		FY 1998 Replace	ement:	PAA:	
Loads:	XXXXX:	XXXXX:		FY 1996 thru		Vehicles Eligible		TAI	
WRM Rqmt:	FY 1995:	FY 1995:		XXXXX:		FY 1999 Replace		Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1995:		Vehicle Augment	t:	BAI	
Other:	FY 1993:	FY 1993:		FY 1994:				Inactive Inv:	
TOTAL:				FY 1993:				Storage:	

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Exhibit P-20, Requiremen	nts Study		AP	PROPRIATION/BU	DGET ACTIVITY	Y	DA	TE:	
						OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin L	eadtime (after Oct1)	:	Prod	d Leadtime :		
AMELIA		ı		T	0 MONTI	HS	1	10 MON	THS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		0	0	0	400	300	0	0	0
Unit Cost					0.750	0.564			
Total Cost					\$300.0	\$169.0			
Asset Dynamics									
Beginning Asset Position		0	0	0	0	80	400	700	700
Deliveries from all prior year t	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fund	ing	0	0	0	0	0	0	0	0
Deliveries from FY 1998 fund	ing	0	0	0	0	0	0	0	0
Deliveries from FY 1999 fund	ling	0	0	0	80	320	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	0	300	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition									
End of Year Asset Position		0	0	0	80	400	700	700	700
Inventory Objective or Currer	nt Authorized Allowance	1200	1200	1200	1200	1200	1200	1200	1200
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:	
1200	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac		TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994: FY 1993:		FY 1994:				BAI	
Other:	FY 1993:		FY 1993:				Inactive Inv:		
TOTAL:								Storage:	

P-1 SHOPPING LIST CLASSIFICATION:
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Exhibit P-20, Requirement	nts Study		AF	PPROPRIATION/BUE	DGET ACTIVITY		DA	TE:	
						OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin Le	adtime (after Oct1):		Prod	Leadtime :		
Night Vision Devices					0 MONTH	s	_	7 MONT	THS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		0	197	216	536	51	0	0	0
Unit Cost			9.845	7.250	6.847	7.000			
Total Cost			\$1,939.0	\$1,566.0	\$3,670.0	\$357.0			
Asset Dynamics									
Beginning Asset Position		0	0	0	227	683	1000	1000	1000
Deliveries from all prior year	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fund	ding	0	0	197	0	0	0	0	0
Deliveries from FY 1998 fund	ding	0	0	30	186	0	0	0	0
Deliveries from FY 1999 fund	ding	0	0	0	270	266	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	51	0	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti	ons/etc.								
End of Year Asset Position		0	0	227	683	1000	1000	1000	1000
Inventory Objective or Curre		1000	1000	1000	1000	1000	1000	1000	1000
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligible		Aircraft:	
1000	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX: XXXXX:			XXXXX:		FY 1999 Replac	ement:	TAI	
WRM Rqmt:	FY 1995: FY 1995:			FY 1995:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	-
Other:	FY 1993: FY 1993:			FY 1993:				Inactive Inv:	
TOTAL:								Storage:	

P-1 SHOPPING LIST

UNCLASSIFIED

CLASSIFICATION:

Exhibit P-20, Requiremen	nts Study		AF	PROPRIATION/BU	DGET ACTIVITY	<i>(</i>	DA	TE:	
						OPN		February	1998
P-1 ITEM NOMENCLATURE			Admin Lea	adtime (after Oct1):		Pro	od Leadtime :		
Low Profile Flot	ation Collar				0 MONTH	IS		6 MONT	HS
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		0	2161	600	2350	5589	0	0	0
Unit Cost			0.324	0.323	0.360	0.380			
Total Cost			\$702.0	\$194	\$846.0	\$2,121.0			
Asset Dynamics									
Beginning Asset Position		0	0	0	1930	3961	7905	10700	10700
Deliveries from all prior year	funding	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fund	ling	0	0	1830	331	0	0	0	0
Deliveries from FY 1998 fund	0	0	0	100	500	0	0	0	0
Deliveries from FY 1999 fund	ling	0	0	0	1200	1150	0	0	0
Deliveries from subsequent y	ears' funding	0	0	0	0	2794	2795	0	0
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ons/etc.								
End of Year Asset Position		0	0	1930	3961	7905	10700	10700	10700
Inventory Objective or Currer	nt Authorized Allowance	10700	10700	10700	10700	10700	10700	10700	10700
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligible		Aircraft:	
10700	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible	e for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac	ement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993: FY 1993:			FY 1993:				Inactive Inv:	
TOTAL:								Storage:	

P-1 SHOPPING LIST

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CLASSIFICATION:

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TIME PHASED REQUIREMENT S P-23	SCHEDULE								/BUDGE		IVITY Navy	,		B. P-1	PRO	OMEN		RE				c. da Feb		199	8	
			FY 199				FY 199				FY 199				FY 200				FY 200				FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180
ASSETS ON HAND	(BP)	785																								
DELIVERY FY 96 & PRIOR	(P)	785																								
FY 96 & PRIOR	(P)	785																								
FY 97	(P)																									
FY 98	(P)									0	0	50	148													
FY 99	(P)													0	60	40	0									
FY 00	(P)																	0	60	37	0					
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	785	785	785	785	785	785	785	785	785	785	835	983	983	1043	1083	1083	1083	1143	1180	1180					
QTY OVER (+) OR SHORT (-)		-395	-395	-395	-395	-395	-395	-395	-395	-395	-395	-345	-197	-197	-137	-97	-97	-97	-37	0	0					
D. REMARKS				E.		RQMT	(QTY)				TOTAL	_ RQM	Г	INSTAL	LED	_	HAND - / /96	:		99 & PR			UNFU	NDED		
				1.	APPN	-	OPN	1				1180		7	785	AS UP	/ /90	,	UNL		298		()		
					APPN	-																				
				3.	PROC	UREM	ENT LE	ADTIME		17		ADMIN	1 5	5	INITIA	L ORDE	ĒR	12			REOR	DER		12		

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED

TIME PHASED REQUIREMENT P-23	SCHEDULE							IATION OCU			IVITY Navy	ı		B. P-1	KY-	омен 913/ I			DLA			C. DA				
	1 20																					Fe	brua			
			FY 199				FY 199				FY 199				FY 200				FY 200				FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	193	193	193	193	193	193	193	193																	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0																	
OTHER	(P)	0	0	0	0	0	0	0	0																	
TOTAL PHASED REQ	(C)	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	
ASSETS ON HAND	(BP)	143																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					0	0	0	50																	
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	143	143	143	143	143	143	143	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193
QTY OVER (+) OR SHORT (-)		-50	-50	-50	-50	-50	-50	-50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	193
D. REMARKS				E.		RQMT	(QTY)				TOTAL	. RQM	Г	INSTAL	LED		HAND - / /96			99 & PR			UNFU	INDED		
						-		OPN				19	3		0	AG OF	1 190	,	OINL	50	NLD			0		
	2.														-											
	3. PRO					UREME	ENT LE	ADTIME	2	23		ADMIN	I	11	INITIA	L ORDE	ĒR	12)		REOR	DER		12		

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TIME PHASED REQUIREMENT SCHEI P-23	DULE							ATION/BL						B. P-1	ITEM NO	MENCL		DIO				C. DAT	E			
																		_						ary 19	98	
			FY 199				FY 199				FY 199				FY 200				FY 200			_	FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)																									
FY 98	(P)									0	0	100	150													
FY 99	(P)													0	150	225	225									
FY 00	(P)																	250	250	250	250					
FY 01	(P)																					1196	1197	1197	1197	
FY 02	(P)																									6704
FY 03	(P)																									3830
To Complete	(P)																									2829
TOTAL ASSETS	(C)	0	0	0	0	0	0	0	0	0	0	100	250	250	400	625	850	1100	1350	1600	1850	3046	4243	5440	6637	20000
QTY OVER (+) OR SHORT (-)		-20000	-20000	-20000	-20000	-20000	-20000	-20000	-20000	-20000	-20000	-19900	-19750	-19750	-19600	-19375	-19150	-18900	-18650	-18400	-18150	-16954	-15757	-14560	-13363	0
D. REMARKS		I	<u> </u>	E.	-	RQMT	(QTY)	<u> </u>	<u> </u>		TOTAL	RQMT	<u> </u>	INSTAL	LED	ON H	IAND / /96	l		9 & PRI		-	UNFUI	NDED	-	
				1.	APPN	-	OI	PN			:	20000)	0		AS UF	, 130			850			()		
						-							<u>- </u>							300			_			
				3.	PROC	UREME	NT LEAD	TIME	1	17		ADMIN	5	1	INITIAL	ORDER	₹ ,	12	1		REORE	DER	12	2		

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED

TIME PHASED REQUIREMENT 9	SCHEDULE							IATION			IVITY Navy	,		B. P-1	ITEM N			RE 2 GP	s			C. DA	TE			
																								1998	3	
		1 1 500 F00				4	FY 199				FY 199		- 1	4	FY 200		- 4	_	FY 200		T 4		FY 200			LATER
		'	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0	0	200	300																					
FY 96 & PRIOR	(P)																									
FY 97	(P)																									
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	200	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
QTY OVER (+) OR SHORT (-)		-500	-500	-300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. REMARKS				E.	1	RQMT	(QTY)	1	1		TOTAL	- RQM	Г	INSTAL	LED	_	HAND - / /96			99 & PR			UNFU	NDED		
				1.	APPN	-	(OPN			,	500		C)	AS UF	/ /96)	UNL	0	אבט			0		
	2.				APPN	-		<u> </u>			<u> </u>				<u>, </u>									0		
				3.	PROC	UREME	ENT LE	ADTIME	1	9		ADMIN	1 -	<u> </u>	INITIA	L ORDE	ĒR	12			REOR	.DER	12			

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED

TIME PHASED REQUIREMENT P-23	SCHEDULE							rocu			IVITY Navy	,		B. P-1					GATO)R		C. DA	TE			
																							Feb	199	8	
		_	FY 199				FY 19				FY 199				FY 200				FY 200				FY 20			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	12	0	0																					
FY 97	(P)																									
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
QTY OVER (+) OR SHORT (-)		-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. REMARKS				E.		RQMT	(QTY)				TOTAL	. RQM	Γ	INSTAL	LED		HAND - / /96			99 & PR			UNFL	JNDED		
				1.	APPN	l -		DPN				12			0	AS OF	- / /96)	UNL	0	KED				0	
						l -									_					-					_	1
					PROC	UREMI	ENT LE	ADTIME		19		ADMIN	1	7	INITIA	L ORDI	ΞR	12			REOR	DER		12		1

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO 135 PAGE NO 36 OF 48

UNCLASSIFIED

TIME PHASED REQUIREMENT S P-23	CHEDULE						PROPRI er Pr										LATURE					C. DA	TE			
																								1998	}	
			FY 199				FY 199				FY 199				FY 200				FY 20				FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P)	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676
SCHOOLS/OTHER TRAINING	(P) (P)																									
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					0	0	420	420	420	416															
FY 98	(P)											501	501	501	497											
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	0	0	0	420	840	1260	1676	2177	2678	3179	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676	3676
QTY OVER (+) OR SHORT (-)		-3676	-3676	-3676	-3676	-3676	-3676	-3256	-2836	-2416	-2000	-1499	-998	-497	0	0	0	0	0	0	0	0	0	0	0	0
D. REMARKS		+		E.		RQMT	(QTY)			!	TOTAL	RQMT	1	INSTAL	LED	-	HAND: / /96	ļ		99 & PR		1	UNFU	NDED		
				1.	APPN	-	(OPN			1 :	3676			0	AS OF	/ /96			3676			()		1
				2.	APPN	-									-											1
				3.	PROC	UREME	NT LEA	OTIME	1	9		ADMIN	7	7	INITIA	L ORDE	R	12	1		REOR	DER	ı	12		-

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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TIME PHASED REQUIREMENT S P-23	CHEDULE							IATION				,		COI	ITEM N	T SL	IRVI	VOR				C. DA				
														E۱	VAD		OCA	TOF					Feb		3	
		_	FY 199		1 4	1	FY 19			_	FY 199				FY 200		_		FY 200				FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)																									
FY 98	(P)									0	0	234	260													
FY 99	(P)												158	474	474	474	316									
FY 00	(P)																	682	682	682	681					
FY 01	(P)																					700	700	700	700	
FY 02	(P)																									982
FY 03	(P)																									
To Complete	(P)																									101
TOTAL ASSETS	(C)	0	0	0	0	0	0	0	0	0	0	234	652	1126	1600	2074	2390	3072	3754	4436	5117	5817	6517	7217	7917	9000
QTY OVER (+) OR SHORT (-)		-9000	-9000	-9000	-9000	-9000	-9000	-9000	-9000	-9000	-9000	-8766	-8348	-7874	-7400	-6926	-6610	-5928	-5246	-4564	-3883	-3183	-2483	-1783	-1083	0
D. REMARKS		1		E.		RQMT	(QTY)				TOTAL	L RQM	T	INSTAL	LED		HAND			99 & PR		1	UNFU	INDED	1	
				1.	APPN	l -		OPN				9000	<u> </u>		0	AS OF	/ /96)	UNL	DELIVE 2	390			0		
				2.	APPN	-		<u> </u>	•			3000														
				3.	PROC	UREME	ENT LE	ADTIME	1	1		ADMI	۰ 0	<u> </u>	INITIA	L ORDI	ER	11	1		REOR	DER	<u> </u>	11		

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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TIME PHASED REQUIREMENT P-23	SCHEDULE								/BUDGE		IVITY Navy	,			LASE PROT	R EY		RE				C. DA	TE Feb	1998	3	
			FY 199				FY 199				FY 199				FY 200				FY 200				FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800	7800
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					106	159	55	0																	
FY 98	(P)																									
FY 99	(P)									30	90	97	0													
FY 00	(P)																	211	211	211	212					
FY 01	(P)																					468	468	468	467	
FY 02	(P)																									2000
FY 03	(P)																									1587
To Complete	(P)																									960
TOTAL ASSETS	(C)	0	0	0	0	106	265	320	320	350	440	537	537	537	537	537	537	748	959	1170	1382	1850	2318	2786	3253	7800
QTY OVER (+) OR SHORT (-)		-7800	-7800	-7800	-7800	-7694	-7535	-7480	-7480	-7450	-7360	-7263	-7263	-7263	-7263	-7263	-7263	-7052	-6841	-6630	-6418	-5950	-5482	-5014	-4547	0
D. REMARKS				E.		RQMT	(QTY)	1	1		TOTAL	RQM	Т	INSTAL	LLED	_	HAND			99 & PR			UNFL	INDED		
				1.	APPN	1 -	O	PN			7	800		()		- / /96 O	0	UNL	537			0			1
				2.	APPN	١-					 	300														1
				3.	PRO	CUREMI	ENT LE	ADTIME	2	<u>.</u>		ADMIN	٧ 7		INITIA	L ORD	ER 1	4	1		REOR	DER	7			1

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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TIME PHASED REQUIREMENT S P-23	SCHEDULE								/BUDGE		IVITY Navy	,		B. P-1	CW	юмен U-60		RE				C. DA	TE			
																								199	8	
		1	FY 199	97 3	4	1	FY 199	98 3	4	1	FY 199	99 3	4	1	FY 200	3	4	1	FY 200	3	4	1	FY 200)2 3	4	LATER
ACTIVE FORCE INVENTORY	(P)	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350
	(P)																									
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	0	400	684	870	849	873	581																	
FY 97	(P)								93																	
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	400	1084	1954	2803	3676	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350
QTY OVER (+) OR SHORT (-)		-4350	-4350	-3950	-3266	-2396	-1547	-674	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. REMARKS				E.		RQMT	(QTY)				TOTAL	RQM	Γ	INSTAL	LED		HAND - / /96	·		99 & PR			UNFU	INDED		
				1.	APPN	-	(OPN			4	1350		()	. 10 01	, ,,,	-	1	2396				0		1
				2.	APPN	-																				1
				3.	PROC	UREME	ENT LE	ADTIME	2	24		ADMIN	¹ 9		INITIA	L ORDI	ĒR	15			REOR	DER	6			

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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TIME PHASED REQUIREMENT P-23	SCHEDULE								/BUDGE		IVITY Navy	,		B. P-1	HEE		CLATUI	RE				C. DA	TE			
											•												Feb	1998	3	
			FY 199				FY 199				FY 199				FY 200				FY 200				FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	1125	1125	1125	1125	600	309																			
FY 97	(P)						591																			
FY 98	(P)																									
FY 99	(P)																									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	1125	2250	3375	4500	5100	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
QTY OVER (+) OR SHORT (-)		-4875	-3750	-2625	-1500	-900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. REMARKS				E.		RQMT	(QTY)				TOTAL	_ RQM	Г	INSTAL	LED		HAND - / /96			99 & PR		1	UNFU	JNDED		
				1.	APPN	-		OPI	V			600	00	()		00	,		900	NED			0		1
				2.	APPN	-								Ì	-	"	-			300						
				3.	PROC	UREME	ENT LE	ADTIME	,	17		ADMIN	1 ()	INITIA	L ORDI	ER	8			REOR	DER	5			1

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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TIME PHASED REQUIREMENT S P-23	SCHEDULE								/BUDGE		IVITY Navy	,		Airc	rew I	nteg	rated	Surv	vival			C. DA	TE Feb	1000	•	
			FY 199	77			FY 199	10			FY 199	20		/AII	FY 200		ectio	1	FY 200	01			FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	LAILK
ACTIVE FORCE INVENTORY	(P)	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	
SCHOOLS/OTHER TRAINING	(P) (P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568
ASSETS ON HAND	(BP)	850																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	0	450	391																					
FY 97	(P)																									
FY 98	(P)					0	0	0	600	600	375															
FY 99	(P)										175	127	0													
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	850	850	1300	1691	1691	1691	1691	2291	2891	3441	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568	3568
QTY OVER (+) OR SHORT (-)		-2718	-2718	-2268	-1877	-1877	-1877	-1877	-1277	-677	-127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D. REMARKS				E.		RQMT	(QTY)				TOTAL	RQM	Т	INSTAL	LLED		HAND F / /96	3		99 & PF			UNFU	INDED		
				1.	APPN	l -		OPI	N			35	68	()		850		OINL	187				0		
				2.	APPN	l -									_											1
				3.	PROC	UREM	ENT LE	ADTIME	7			ADMIN	0	!	INITIA	L ORDI	ER	7			REOR	DER	5	5		

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TIME PHASED REQUIREMENT S P-23	SCHEDULE								/BUDGE			,		B. P-1		sen	ger a	nd 1	roop	p		C. DA				
		_														rviva	I Sy	stem						1998	3	
		L_	FY 199				FY 199				FY 199			_	FY 200				FY 200			_	FY 20			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652	8652
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	0	141	423	423	423	277	800	1200	551															
FY 97	(P)																									
FY 98	(P)																									
FY 99	(P)													900	963	0	0									
FY 00	(P)																									
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									2551
TOTAL ASSETS	(C)	0	0	141	564	987	1410	1687	2487	3687	4238	4238	4238	5138	6101	6101	6101	6101	6101	6101	6101	6101	6101	6101	6101	8652
QTY OVER (+) OR SHORT (-)		-8652	-8652	-8511	-8088	-7665	-7242	-6965	-6165	-4965	-4414	-4414	-4414	-3514	-2551	-2551	-2551	-2551	-2551	-2551	-2551	-2551	-2551	-2551	-2551	0
D. REMARKS				E.		RQMT	(QTY)				TOTAL	RQM	Γ	INSTAL	LLED		HAND - / /96			99 & PR			UNFL	JNDED		
				1.	APPN	-	(OPN				8652	2	C)	7.0 01	, , , , ,		1	5114				0		1
				2.	APPN	-																				
				3.	PROC	UREM	ENT LE	ADTIME	1	3		ADMIN	4		INITIA	L ORD	ER	9			REOR	DER	8			

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED

TIME PHASED REQUIREMENT SO P-23	HEDULE						ropria er Pro							B. P-1	ITEM NO		ATURE Bac		k			C. DAT				
										_													Feb	1998		
			FY 199		,		FY 199		,	,	FY 199				FY 200				FY 200			<u> </u>	FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900	5900
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0	0	0	150	150	100	200	378																	
FY 97	(P)						40	40																		
FY 98	(P)																									
FY 99	(P)												250	35												
FY 00	(P)																									
FY 01	(P)																	385	385	385	386					
FY 02	(P)																					385	385	385	386	
FY 03	(P)																									
To Complete	(P)																									1475
TOTAL ASSETS	(C)	0	0	0	150	300	440	680	1058	1058	1058	1058	1308	1343	1343	1343	1343	1728	2113	2498	2884	3269	3654	4039	4425	5900
QTY OVER (+) OR SHORT (-)		-5900	-5900	-5900	-5750	-5600	-5460	-5220	-4842	-4842	-4842	-4842	-4592	-4557	-4557	-4557	-4557	-4172	-3787	-3402	-3016	-2631	-2246	-1861	-1475	0
D. REMARKS				E.	<u> </u>	RQMT	(QTY)	-	<u> </u>	l	TOTAL	RQMT	<u> </u>	INSTALI	LED		HAND / /96			9 & PRI ELIVER		 	UNFU	NDED	<u> </u>	
				1.	APPN	-	(OPN			į	5900		0			978			043						
				2.	APPN	-											-			-						1
				3.	PROC	UREMEN	NT LEAD	TIME	10			ADMIN	0		INITIAI	ORDE	٦ ,	10	<u> </u>		REORI	DER	9			-

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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TIME PHASED REQUIREMENT P-23	SCHEDULE								BUDGE		_{IVITY} Navy	,		B. P-1	Nav	омен			lge			C. DA	TE			
																			_				Feb	1998	В	
		_	FY 199		Ι 4		FY 199				FY 199		1		FY 200	3	_	_	FY 200		Ι 4	4	FY 200		4	LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0 0 0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)					0	0	100	55																	
FY 97	(P)								32	115																
FY 98	(P)										120	120	90													
FY 99	(P)													90	90	57	0									
FY 00	(P)																120	120	120	119						
FY 01	(P)																				93	93	93	94		
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									100
TOTAL ASSETS	(C)	0	0	0	0	0	0	100	187	302	422	542	632	722	812	869	989	1109	1229	1348	1441	1534	1627	1721	1721	1821
QTY OVER (+) OR SHORT (-)		-1821	-1821	-1821	-1821	-1821	-1821	-1721	-1634	-1519	-1399	-1279	-1189	-1099	-1009	-952	-832	-712	-592	-473	-380	-287	-194	-100	-100	0
D. REMARKS		1		E.	1	RQMT	(QTY)				TOTAL	. RQM	Г	INSTAL	LED		HAND - / /96	,		99 & PR			UNFU	INDED	1	
				1.	APPN	l -	0	PN			1	821		C)	AS OF	/ /90	,		869	NLD			0		1
				2.	APPN	l -																				1
				3.	PROC	UREM	ENT LE	ADTIME	12			ADMIN	0		INITIA	L ORDI	ΕR	12			REOR	DER	12			

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED

TIME PHASED REQUIREMENT : P-23	SCHEDULE								/BUDGE		IVITY Navy	,		B. P-1	ITEM N		CLATUI ELIA					C. DA	TE			
																							Feb	1998	3	
			FY 199				FY 199				FY 199				FY 200				FY 200				FY 200			LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0 0 0 0				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)																									
FY 98	(P)																									
FY 99	(P)												80	120	120	80	0	80	80	80	60					
FY 00	(P)																	00	00	00	00					
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									500
TOTAL ASSETS	(C)	0	0	0	0	0	0	0	0	0	0	0	80	200	320	400	400	480	560	640	700	700	700	700	700	1200
QTY OVER (+) OR SHORT (-)		-1200	-1200	-1200	-1200	-1200	-1200	-1200	-1200	-1200	-1200	-1200	-1120	-1000	-880	-800	-800	-720	-640	-560	-500	-500	-500	-500	-500	0
D. REMARKS		1	<u>I</u>	E.		RQMT	(QTY)		1		TOTAL	RQM	Г	INSTAL	LED		HAND - / /96			99 & PR			UNFU	INDED		
				1.	APPN	-	OP	N				1200		()	AS OF	/ /96)	UNL	40				0		1
				2.	APPN	-															-			-		1
				3.	PROC	UREME	ENT LE	ADTIME	10			ADMIN	0		INITIA	L ORDI	ER 1	0			REOR	DER	6			1

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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TIME PHASED REQUIREMENT S P-23	CHEDULE							IATION OCU			IVITY Navy	1		B. P-1	Nig			RE Dev	ices			C. DA	TE			
																								1998	3	
		1	FY 199	97 3	4	1	FY 199	98 3	4	1	FY 199	9 3	4	1	FY 200	0 3	4	1	FY 200)1	4	1	FY 200	3	4	LATER
ACTIVE FORCE INVENTORY	(P) (P)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PHASED REQ	(C)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					21	63	67	46																	
FY 98	(P)								30	90	96	0														
FY 99	(P)											135	135	135	131	0	0									
FY 00	(P)															51										
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	0	21	84	151	227	317	413	548	683	818	949	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
QTY OVER (+) OR SHORT (-)		-1000	-1000	-1000	-1000	-979	-916	-849	-773	-683	-587	-452	-317	-182	-51	0	0	0	0	0	0	0	0	0	0	0
D. REMARKS				E.		RQMT	(QTY)				TOTAL	RQM	Г	INSTAL	LED	_	HAND			99 & PR			UNFU	INDED		
				1.	APPN	-	0	PN			1	000		()	AS OF	/ /96)		ELIVEI 1898				0		
				2.	APPN	-																				
				3.	PROC	UREME	ENT LE	ADTIME	7			ADMIN	0	1	INITIA	L ORDI	ΕR	7			REORI	DER	6			

DD for 2447, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

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UNCLASSIFIED

TIME PHASED REQUIREMENT S P-23	CHEDULE									ent, N				Lo	W Pr				า			C. DA	TE			
														Co	llar									1998	3	
			FY 199	1	1		FY 199		i		FY 199		i		FY 200		1		FY 200		1		FY 200		1	LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	(P) (P)	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	
SCHOOLS/OTHER TRAINING	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OTHER	(P)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PHASED REQ	(C)	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700	10700
ASSETS ON HAND	(BP)	0																								
DELIVERY FY 96 & PRIOR	(P)	0																								
FY 96 & PRIOR	(P)	0																								
FY 97	(P)					750	750	165	165	165	166															
FY 98	(P)								100	150	150	150	50													
FY 99	(P)											600	600	600	550											
FY 00	(P)															1397	1397	1397	1398							
FY 01	(P)																									
FY 02	(P)																									
FY 03	(P)																									
To Complete	(P)																									
TOTAL ASSETS	(C)	0	0	0	0	750	1500	1665	1930	2245	2561	3311	3961	4561	5111	6508	7905	9302	10700	10700	10700	10700	10700	10700	10700	10700
QTY OVER (+) OR SHORT (-)		-10700	-10700	-10700	-10700	-9950	-9200	-9035	-8770	-8455	-8139	-7389	-6739	-6139	-5589	-4192	-2795	-1398	0	0	0	0	0	0	0	0
D. REMARKS				E.		RQMT	(QTY)		•	!	TOTAL	RQMT		INSTAL	LED	-	HAND	`		99 & PR			UNFU	INDED	•	
				1.	APPN	-	OP	N			10	700		0		AS OF	/ /96	,		111	אבט					
				2.	APPN	-																				
				3.	PROC	JREME	NT LEA	DTIME	6			ADMIN	1 0		INITIA	L ORDI	ΞR	6			REOR	DER	6			

DD for 2447, JUN 86

P.1 SHOPPING LIST
CLASSIFICATION:
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		BUI	DGET ITEM	JUSTIFICA	TION SHEE	Т				DATE:			
				P-40							February 199	8	
APPROPRIATION/BUT OTHER PROCURE								P-1 ITEM NO					
BA-3: NAVY/AVIA	TION SUP	PORT E	QUIPMEN	Г				SUBHEAD	: 73S0			LI:42	4800
Program Element for (Code B Item	s:						OTHER RELA	ATED PROGR	M ELEMENTS			
N/A								N/A					
	Prior Years	ID Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY	N/A	Α											0
EQUIPMENT COST													
(In Millions)	N/A	Α	N/A	N/A	\$13.1	\$19.5	\$39.4	\$33.5	\$41.9	\$50.7	\$22.2	N/A	\$220
SPARES COST (In Millions)	N/A	Α	N/A	N/A	\$1.0	\$2.0	\$1.9	\$1.9	\$2.0	\$0.4	\$2.0	N/A	\$11

PROGRAM DESCRIPTION/JUSTIFICATION:

Airborne Mine Countermeasures (AMCM) Equipment is used by MH-53E helicopters to counter the threat of sea mines. The equipment is divided into two broad categories, minesweeping and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify, and mark or neutralize mines, usually by means of high resolution sonar. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.

- S0020 Funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components.
- S0060 Funds provided are for the procurement of A/N37U-1 Mechanical Minesweeping Systems. Thirty-four systems are to be procured at an estimated total cost of \$14M. 25 units were procured in FY96 and prior. 9 units were procured in FY97.
- S0061 The upgraded MK-105 magnetic minesweeping system is a hydrofoil platform that carries a turbo-generator power pack and is towed by a MH-53E helicopter, allowing for safe, high speed sweeping of course magnetic influence mines at twice the output of the current MK-105. The technological upgrade increases supportability, reliability and maintainability (R&M), and increases operational effectiveness. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components because of obsolescence. Funding for this effort is designated in all fiscal years. Twenty units are to be procured at an estimated total cost of \$87.8M. Three units were included in the FY96 budget year, with seventeen units to be procured in subsequent years.
- S0062 AN/AQS-14A is a digital upgrade to the electronics used in the airborne console for the AQS-14 which has been in the fleet since 1984. The requirement for this upgrade is driven by parts obsolescence, the need for improved performance, and advances in the state of the art.
- S0063 Magnetic Cable is a new magnetic sweep array with an extended operational life and the capability to handle twice the current of existing cable. Additionally, cable diameter and bend radius are maintained to allow continued use of existing support equipment. Funding is provided to procure twenty-five cables for an estimated total cost of \$3M.
- S0066 C4I funding provided in FY98 and FY99 will purchase upgraded NDI equipment to provide an initial C4I capability at an estimated total cost of \$4.5M.
- S0072 SWIMS Shallow Water Minesweeping System Provides a self-contained, high speed magnetic/acoustic shallow water mine sweep.

P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 136 PAGE NO. 1 UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

	-ICATION: UNCLASSIFIED	0.000	W 000T :::	A L V/C:C				14/				DATE		
	WEAPON		M COST AN -5	ALYSIS				Weapon Sy	stem		N/A	DATE: February 19	08	
APPROF	PRIATION/BUDGET ACTIVITY	<u> </u>	-3			ID Code	P-1 ITFM I	NOMENCI A	TURE/SUBI	HFAD	IV/A	rebluary 19	30	
	Procurement, Navy					ID Code			untermeas					
	NAVY/AVIATION SUPPORT EQUI	IPMENT				Α		AD: 73S0	LI:4248					
				ST IN THO	USANDS OF		1							
COST	ELEMENT OF COST	ID					FY 1997			FY 1998			FY 1999	
CODE		Code		UNIT	TOTAL		UNIT	TOTAL		UNIT	TOTAL		UNIT	TOTAL
			QTY	COST	COST	QTY	COST	COST	QTY	COST	COST	QTY	COST	COST
	<u>N852</u>													
S0020	MODIFICATION	Α						554			770)		635
S0060	A/N37U-1 MECH MINESWEEPING	Α				9	498	4,483						
S0061	MK-105 UPGRADE PUBLICATIONS/TECHNICAL DATA	Α						2,500	2	4,300	8,600	3	4,300	12,900
	PRODUCTION SUPPORT - TRAINING							2,300			1,475	5		381
	STRUTS - NON-RECURRING										900			
	STRUTS - RECURRING SUPPORT EQUIPMENT							2,000			2,255			400 2,800
	CONVERSION							2,000			2,200			600
	S0061 TOTAL							4,500			13,230)		17,081
S0062	AN/AQS-14A KITS	Α				5	440	2,200	6	367	2,202	2 6	448	2,688
	PUBLICATIONS/TECHNICAL DATA							100			200			
	COMPONENTS SUPPORT EQUIPMENT							200 100			380 298			
	PRODUCT SUPPORT							432			200			
	RELIABILITY ECPs											_		4,124
	S0062 TOTAL							3,032			3,080)		6,812
S0063	MAGNETIC CABLE	Α							12	85	1,020	13	85	1,105
	SUPPORT EQUIPMENT										200			75
	PUBLICATIONS/TECHNICAL DATA PRODUCTION SUPPORT - TRAINING										200 55			120
	S0063 TOTAL										1,475			1,300
S0072	SWIMS													10,000
S0066	C4I UPGRADES	Α						575			992	2		3,578
TOTAL								13,144			19,547	·		39,406

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCUREMENT H	HISTO	RY AND	PLANNING EX	HIBIT (P-5A)		Weapon System		A. DATE	<u> </u>	
				,		. ,	N/A		Februa	ry 1998
B. APPROPRIATION/BUDG	GET A	CTIVITY			C. P-1 ITE	M NOMENCLATURE		•	SUBHEAD	-
Other Procurement, Navy					Airborne M	line Countermeasures	S		73	S0
BA-3: NAVY/AVIATION SUI	PPOR	T EQUIPI	MENT							
					CONTRACT		1	DATE OF	SPECS	IF NO
Cost Element/	QTY	UNIT	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD	_	AVAILABLE	WHEN
FISCAL YEAR		COST (000)	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
FISCAL YEAR (97)		(/								
A/N37U-1 MECH MINESWEEPING-S0060 AN/AQS-14A KITS-S0062	9 5	498 440	NAVSEA NAVSEA		OPTION OPTION	GSS, GROTON, CT NORTHROP-GRUMMAN ANNAPOLIS,MD	11/96 6/97	11/97 12/97	YES YES	
FISCAL YEAR (98)						7.1.1.0.1.02.10,1112				
MK-105 UPGRADE-S0061	2	4300	NAVSEA		SS/FFP	EDO CORP, COLLEGE PT, NY	3/98	5/00	NO	
AN/AQS-14A KITS-S0062	6	367	NAVSEA		OPTION	NORTHROP-GRUMMAN,	11/97	8/98	YES	
MAGNETIC CABLE-S0063	12	85	NAVSEA		SS/FFP	COGENT, NEWPORT	8/98	11/98	NO	
FISCAL YEAR (99)										
MK-105 UPGRADE-S0061	3	4300	NAVSEA		OPTION	EDO CORP, COLLEGE PT, NY	1/99	3/01	NO	
MAGNETIC CABLE-S0063	13	85	NAVSEA		OPTION	COGENT, NEWPORT	10/98	5/99	YES	
AN/AQS-14A KITS-S0062	6	448	NAVSEA		OPTION	NORTHROP-GRUMMAN	11/98	8/99	YES	
D. DEMARKS										

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 136 PAGE NO. 3 **UNCLASSIFIED**

FY 1998/99 BUDGET PRODU	Annapolis, MD FISCAL YEAR																	DA				ebr								
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AN/AQS-14A KITS	North	rop G	rumar		711	_	OK _		0-0		AA		3	l I		3	<u> </u>	IVI	0	<u> </u>	IVI	0	<u> </u>		7			IVIE	15016	<u></u>
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ITEM / MANUFACTURER	96														YEAR	1999					Ī	FISC		EAR	2000 AR Y	EAR 2	2000			
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FY 1998/99 BUDGET PRODU	Name and Location MSR 1-8-5 MAX																	DA				ebr								
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	Name and Location MSR 1-8-5 MAX														J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	S	B A
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MK-105 UPGRADE KITS	TEM / MANUFACTURER														_		<u> </u>	-	, v	U	Ë	1	, · ·	2	L'	'*	H	+	一	0
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Exhibit P-21 Production Schedule 311 / 244 ITEM NO 136 PAGE 5

FY 1998/99 BUDGET PRODUC	TION	SCHE	DULE	:, P-21														DAI						199						
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OTHER PROCUREMENT,	NAV	Υ												N/A								Airb	orn	e Mi	ine (Cou	nter	mea	sure	•
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Exhibit P-21 Production Schedule

FY 1998/99 BUDGET PRODUC	TION:	SCHE	DULE	i, P-21	1													DA						<i>1</i> 199						
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OTHER PROCUREMENT,			1			N/A						Airl	borr	ne M	ine (Cou	nter	mea	asur	е										
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FY 1998/99 BUDGET PRODUC	CTION	SCHE	DULE	E, P-21	1																									
													We	apon N/A	Sys	stem	l	P-1	ITEI	ΛN						Cou	ınte	rmea	asure	.
							Pro	duct	ion F	Rate					Pro	cure	emer	nt Le	adtin	nes										
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Item	Production Rate														al		Me	asure)											
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			BUDGET	ITEM JUST	IFICATION	SHEET				DATE:			
				P-4	0						FEBRUA	RY 1998	
APPROPRIATION/BUDG	GET ACTIVI	TY						P-1 ITEM NO	MENCLATURE				
OTHER PROCURE	MENT, NA	VY							LAMPS N	IK III SHIPI	BOARD EQ	JIPMENT	
Program Element for Co	de B Items:						Other Related	Program Elem	nents				
	Prior	ID										То	
	Years	Code	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY													
COST (In Millions)	\$379.1		\$6.1	\$14.5	\$4.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		\$403.6

The LAMPS MK III Ship/Air Weapon System is a computer integrated ship/helicopter system that increases the effectiveness of surface combatants. The Weapon System is a multi-approach funded program. The OPN-3 program funds the LAMPS shipboard equipment for installation in existing ships being backfitted with the LAMPS MK III Upgrade. Procured under this line are:

- (1) AN/SRQ-4, a shipboard terminal data transmission device.
- (2) The Recovery, Assist, Securing and Traversing (RAST) System; the Horizon Reference Set, and Flight Deck Status and Signal System.
- (3) The Alternate Traversing System (ATS) replaces the RAST as an interim system for the SH-60B. The ATS consists of a C-130 cargo winch and associated ground handling equipment for straightening and traversing the aircraft under limited sea state conditions.
- (4) Acoustic Processor DDG-993, a Sonar Signal Processing System.

The LAMPS MK III Upgrade is comprised of the above equipment and is to be installed aboard DDG-993 class ships. The AN/SRQ-4 is an electronic device which receives electronic surveillance countermeasures, radar video, and acoustic data; and, transmits secure voice, shipboaord computer, and air navigation data. The ATS is used to launch and recover LAMPS MK III helicopters from LAMPS ships. The acoustic Processor accepts acoustic data and selects, records, reproduces, processes, and displays the data as controlled by the Acoustic Sensor Operator.

FY97 supports close-out of the LAMPS MK III Upgrade program.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 137 PAGE NO. 1 of 4

UNCLASSIFIED

DD Form 2454, JUN 86

UNCLASSIFIED CLASSIFICATION:

	WEAPONS SYSTEM COST	ANALY	SIS					W	eapon Syste	em							DATE:	
	P-5																FEBRU	ARY 1998
	PRIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM N	OMENCLAT	URE/SUBHE	AD.					
	Procurement, Navy											DO 4 DD E		T 1100				
BA-3	AVIATION SUPPORT EQUIPMENT									LAMPS M	IK III SHIP	BOARD E	JUIPMEN	II - U3S1				
			TOTAL COS	T IN THOU	SANDS OF I	DOLLARS												
COST	ELEMENT OF COST	ID	Prior		FY 1995			FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code		0 .::		T . 10 .	0 .::		-		Turio i	T	0	Luio	I = o .	0	Luca	-
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S1005	SYSTEM INTEGRATION					700			728									
S1009	ACOUSTIC PROCESSOR			4	275	1,100												
S1800	INTEGRATED LOGISTICS SUPPORT					100			100									
S1830	PRODUCTION ENGINEERING QA/TE					517			300									
S1900	INSTALLATION OF EQUIPMENT (FMP)					3,660			13,336			3,990						
	PRIOR YEARS		379,058															
			379,058	4	275	6,077			14,464			3,990			0			
DD FORI	M 2446, JUN 86	P-1 SH	IOPPING LIST	-		0,011			17,707	1	1	0,000		CL	ASSIFICATION	ON:	1	

DD FORM 2446, JUN 86 P-1 SHOPPING LIST ITEM NO. 137 PAGE NO. 2 of 4

CLASSIFICATION: UNCLASSIFIED																								
РЗА		INDIVIDU	JAL M	IODIFIC	ATIO	N																		
MODELS OF SYSTEM AFFECTED:	DDG-993	CLASS SH	IIPS			_	TYF	PE MODI	FICAT	TION:				_			MOE	DIFICAT	ION T	TTLE:	LAM	IPS MK III	UPGRADE	
DESCRIPTION/JUSTIFICATION:																								
The LAMPS MK III Upgrade SHIPALT 334	1. installs a	nd integrat	es LA	MPS car	oabilit	tv on DD	G-99	3. The L	AMPS	MK III s	svstem	is a con	nputer	integrat	ed shi	p-helico	oter w	eapons	svste	m that c	reatly	increases	the effective	ness of
surface combatants and consists of the Ad																			,,,,,,		, ,			
DEVELOPMENT STATUS/MAJOR DEVEL	OPMENT.	MILESTON	NES:											_										
	FY 1994 QTY	& Prior \$		<u>Y 1995</u> ′\$		<u>Y 1996</u> ′\$	<u>F</u> QTY	Y 1997 Y \$	<u>F`</u> QTY	Y 1998 ′\$	<u>F\</u> QTY	<u>′ 1999</u> \$	<u>F`</u> QTY	<u>/ 2000</u>	<u>FY</u> QTY	<u>′ 2001</u> \$	<u>FY</u> QTY	<u>/ 2002</u> \$	<u>F`</u> QTY	<u>Y 2003</u>	QTY	<u>TC</u> \$	QTY	OTAL \$
FINANCIAL PLAN (IN MILLIONS)																							$\overline{}$	
RDT&E													+											0
PROCUREMENT																								0
INSTALLATION KITS																								0
INSTALLATION KITS - UNIT COST																								0
INSTALLATION KITS NONRECURRING																								0
EQUIPMENT			4	1,100																			4	1,100
EQUIPMENT NONRECURRING																								0
ENGINEERING CHANGE ORDERS																								0
DATA																								0
TRAINING EQUIPMENT																								0
SUPPORT EQUIPMENT																								0
INTEGRATED LOGISTICS SUPPORT				100		100)																	200
FIELD ACTIVITY SUPPORT				1217		1028	3																	2,245
INSTALL COST				3,660	1	13,336		3,990															1	20,986
PRIOR YEARS	1	379 058		1	1 _	1	1	1						1	1	l		1			1			379 058

0 ITEM 137 0

PAGE 3 of 4

403,589

CLASSIFICATION: UNCLASSIFIED

3,990

379,058

6,077

14,464

TOTAL PROCUREMENT

CLASSIFICATION: UNCLAS	SIFIE	D																						
P3A (Continued)						INDIVIDU	JAL N	IODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>DD</u>	G-99	3 CLAS S	HIPS			_ MC	DIFIC	ATION T	ITLE:	LAMPS	MK III	UPGRAD	DE						_			
INSTALLATION INFORMATIO	ON:																							
METHOD OF IMPLEMENTAT	ION:		N/A	١																				
ADMINISTRATIVE LEADTIME	≣:		N/A	١			_	PRODU	CTION	N LEADTI	ME:	N/A												
CONTRACT DATES:	FY	1997:	N/A	\	_			FY 1998	:	N/A				FY	_ 1999	: N/A	١							
DELIVERY DATE:	FY	1997:	N/A			-		FY 1998	:	N/A				FY	1999				_					
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Cost:		or Years		Y 1995	_	Y 1996		Y 1997		Y 1998	_	Y 1999		Y 2000		Y 2001		Y 2002		Y 2003		omplete	_	Total
DDIOD VEADO EVOS SA	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS FY90-94				3660	-	40.000	1	2.000													-		1	3,660
FY 1995 EQUIPMENT FY 1996 EQUIPMENT			-		1	13,336	-	3,990					+		-				-		-		1	17,326
							1														-			
FY 1997 EQUIPMENT			-				-						-		-									
FY 1998 EQUIPMENT			-				-						-		-									
FY 1999 EQUIPMENT			-				-						-		-									
FY 2000 EQUIPMENT			-				-						-		-									
FY 2001 EQUIPMENT FY 2002 EQUIPMENT			_				1						+								+			
FY 2002 EQUIPMENT							1														-			
TO COMPLETE													+											
TOTAL INSTALLS				3660	1	13,336	1	3,990					+ -										1	20,986
TOTAL INSTALLS				3000		13,330	<u> </u>	3,990																20,960
INSTALLATION SCHEDUL	E.																							
FY 1996		FY 1997	7	EV	1998		EV	1999	1 -	FY 2000	<u> </u>		/ 2001		EV	2002	1	FY 2003	,	TC				
& Prior	'∐ ₁	2 3	_			4 1	2	3 4	1	2 3	_	1 2		4 1		3 4	1	2 3		 	то	TAL		
In 1	0	0 0				0 0		0 0	0	0 0	0	0 0		0 0	0	0 0	0	0 0	0	0		1		
Out 0	1	0 0		0 0		0 0	0	0 0	0	0 0	-			0 0		0 0	0	0 0	0	ő		1		
																				P-	3A			

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			BUDGET I	TEM JUSTIFIC	CATION SHEE	Τ			DATE:			
				P-40					February 199	8		
APPROPRIATION/B	BUDGET ACTIVI	TY - 3					P-1 ITEM NOME	NCLATURE: RE	CONNAISSANC	E ELECTRONIC	WARFARE	
OTHER PROCURE	MENT, NAVY/A	VIATION	SUPPORT EQU	IPMENT			REWSON PHOT	TOGRAPHIC EQ	UIPMENT - Y3S4	ļ		
Program Element for	r Code B Items:						Other Related P	rogram Elements	1			
BA 3 - AVIATION SI	UPPORT EQUIP	PMENT										
	Prior Years	ID Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total
QUANTITY												
COST (In Millions)	54.907		0.6	0.7	0.7	0.9	1.1	1.1	1.1	1.2	CONT	CONT

REWSON: Reconnaissance Electronic Warfare Special Operations Navy

This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. Specifically, this equipment primarily supports the mission of the F-14 borne Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Carrier Intelligence Center (CVIC) photographic requirements, and the hand held intelligence photography collected by the embarked Airwing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.

Also, this equipment supports the photographic intelligence that is disseminated from internal and National sources to the Airwing (CVW) and CVBG. TARPS imagery is often provided to in-theater NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.

This line also procures digital equipment for the exploitation, interpretation and printing of digital imagery downlinked from TARPS. The digital suites can be expanded into the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).

The FY96-03 funds are continuing to procure the needed inventory objective of subject equipments. They are also providing new equipment for scanning and digital dissemination of TARPS film imagery.

P-1 SHOPPING LIST

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DD Form 2454, JUN 86

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	WEAPONS SYSTEM CO P-5	OST ANA	LYSIS			Weapon Sy								DATE: February	1998
	RIATION/BUDGET ACTIVITY - 3 R PROCUREMENT, NAVY/AVIATION S	SUPPOR	T EQUIPN	IENT			P-1 ITEM NO				′3S4			•	
		1	TOTAL COST	Γ IN THOUS	ANDS OF D	OLLARS	I.								
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1996			FY 1997			FY 1998			FY 1999	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cos
	MISC SMALL EQUIPMENT & ECPS PRODUCTION ENGINEERING & LOGISTICS		2,025 718			228 361			0 286			61 149			116 259
S4100	DIGITAL BASE STATION VARIOUS OTHER COSTS, FY 95 & PRIOR *		52,164			0	3	150	450	3	155	465	3	160	480
	*The amount identified against this cost elemen	nt reflects t	total prior yea	ar funding as	sociated with	h cost element	ts no longer fir	anced in FY	1996 and bey	vond.					
	M 2446, JUN 86		54,907 PPING LIST			589			736			675 CLASSIFICAT			85

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BUDGET PROCUREN	IENT HISTO	DRY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
								February	1998	
B. APPROPRIATION/BUDGET	ACTIVITY - 3				C. P-1 ITEM NON	MENCLATURE				
OTHER PROCUREME	NT, NAVY				REWSON PH	HOTOGRAPHIC EQUIPM	//ENT - Y	3 S 4		
AVIATION SUPPORT	EQUIPMEN	IT								
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
S4100 DIGITAL BASE STATION										
FY 1997	3		NRAD, Philadelphia	Apr-97	C/MIPR/FP	TBD	Jun-97	Sep-97	YES	N/A
FY 1998 FY 1999	3 3		NRAD, Philadelphia NRAD, Philadelphia	Apr-98 Apr-99	C/MIPR/FP C/MIPR/FP	TBD TBD	Jun-98 Jun-99	Sep-98 Sep-99	YES YES	N/A N/A
D. REMARKS										

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PAGE NO. 3

Classification:

FY 1998/99 BUDGET PRODU			DUL	E, P-2	1													DATI				Febr								
APPROPRIATION/BUDGET A AIRCRAFT PROCUREMENT/I			ORT E	QUIP	MENT	•							Wea	apor	ı Sy	stem						IENC				QUII	P - \	۲3S،	1	
							Pro	duct	ion	Rate)				Pro	cure			adti											
Item		Mar Name	nufacti and L		on	M	SR	1-8	8-5	M	AX		T Pi			T A			Initia fg P			leord			Tota	al			nit of	
Digital Base Station	TBD															8 m			3 m			3 m				mos		E		
									F	ISCAL	L YEA											FISO	CAL Y							
ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A	0	1996 N	D	J	F	М	A	M	NDAR J	YEAF	R 199 A	7 S	0	N	D	J	F	CA M	LENI	DAR Y	EAR 1	1998 J	Α	s	B A
		С	Υ	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
Digital Base Station Digital Base Station	97 98		3											Α			3									Α			3	0
																											-			
ITEM / MANUFACTURER	F	S	Q	D	В		1998			FISC	CAL Y	EAR (NDAR	YEAF	R 199	9					FISC	CAL Y			EAR 2	2000			-
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J U L	A U G	S E P	B A L
Digital Base Station	99		3											Α			3											_		0
																												_		
Remarks:																														

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CLASSIFICATION: UNCLASSIFIED

DD Form 2454, JUN 86

Exhibit P-20, Requireme	ents Study			PROPRIATION/BU		Y - 3		ATE:	
				CRAFT PROCURE				ebruary 1998	
P-1 ITEM NOMENCLATUR	E		Admin Le	eadtime (after Oct1):	Pro	d Leadtime :		
REWSON PHOTOGRAPHIC I	EQUIPMENT - Y3S4		8 n	nos	1		3 mos		T
		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		0	3	3	3	4	4	4	4
Unit Cost		0	150	155	160	165	170	175	180
Total Cost		0	450	465	480	660	680	700	720
Asset Dynamics									
Beginning Asset Position		0	0	3	6	9	13	17	21
Deliveries from all prior year	r fundina	0	0	0	0	0	0	0	0
Deliveries from FY 1997 fun		0	3	0	0	0	0	0	0
Deliveries from FY 1998 fun	5	0	0	3	0	0	0	0	0
Deliveries from FY 1999 fun	·	0	0	0	3	0	0	0	0
Deliveries from subsequent	U	0	0	0	0	4	4	4	4
Other Gains	,	0	0	0	0	0	0	0	0
Combat Losses/Usage				0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attrit	ions/etc.	0	0	0	0	0	0	0	0
End oy Year Asset Position	n	0	3	6	9	13	17	21	25
Inventory Objective or Curre	ent Authorized Allowance	54	54	54	54	54	54	54	54
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligibl	e for	Aircraft:	
54	Expenditures	Usage	-	(Vehicles/Other)		FY 1998 Repla	cement:	TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligibl	e for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Repla	cement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augme	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other: 54	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									
Inventory objective of 54 eq									
Four digital base stations pe		48							
Two digital base stations ea	ch for three shore activities (2								
		54							

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									•			
		BU	DGET ITEM	I JUSTIFICA	TION SHEE	ΕT			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCURE	MENT, NA	VY/ BA	3 - Aviatio	n Support E	quipment			STOCK	SURVEILL	ANCE EQUI	PMENT	
Program Element for Co	de B Items:						Other Related	Program Elem	nents			
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST												
(In Millions)	\$31.2		\$1.5	\$1.6	\$1.5	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$35.9

PROGRAM DESCRIPTION/JUSTIFICATION/EXECUTION: The NAVAIRSYSCOM (AIR-3.1.1A) Stock Surveillance Equipment (SRV) Program furnishes varied specialized and ancillary test equipment/systems for air-to-air and air-to-ground missiles, ordnance, ammunition and their related components. The SRV Program directly supports the Systems Effectiveness Engineering (SEE) Program. The SRV Program helps to provide accurate indicators for Fleet readiness in regard to safety, serviceability, reliability, quality and mission effectiveness. The following SEE activities participate in the SRV Program: NAVSURFWARCENDIV Crane, NAVSURFWARCENDIV Indian Head, and NAVAIRWARCENDWPNDIV Point Mugu.

NAVSURFWARCENDIVs Crane and Indian Head are responsibile for procurement of missile and ordnance energetic test equipment. NAVAIRWARCENWPNDIV Point Mugu is responsible for procurement of missile electronic component test and analysis equipment to analyze missile firing telemetry data.

AIR-LAUNCHED GUIDED MISSILES - All-Up-Round (AUR) missiles presently supported are: Phoenix, Sidewinder, Sparrow, AMRAAM, Harpoon, HARM, Hellfire, Maverick, Sidearm, Paveway III and Walleye and their related equipment.

AIRBORNE ORDNANCE/AMMUNITION/SPECIAL STORES - Weapons/Stores presently supported are: aircrew escape propulsion systems, cartridges, explosive ordnance system devices, cartridge actuated devices, common aircrew ejection seat, gun ammunition, fuzing systems, pyrotechnics, aircraft rockets, general purpose bombs and cluster weapons and their related components.

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	WEAPONS SYSTEM		ALYSIS			Weapon Sy	stem							DATE:	
4.000.0	P-5	5				ID O . I.	D 4 ITEM NO	145101 451	DE (01 ID1 IE 4 I					Februa	ary 1998
	PRIATION/BUDGET ACTIVITY Procurement, Navy					ID Code	P-1 ITEM NC	MENCLATU	RE/SUBHEAD)					
							Ctools Com								
BA 3 - /	Aviation Support Equipment						Stock Sur	veillance	Equipment						
COST CODE	ELEMENT OF COST	ID Code	Prior Years		FY 1996			FY 1997			FY 1998			FY 1999	
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S2005	Air-Launched Guided Missiles		24,752			695			928			987			C
S2006	Air-Launched Ordnance		6,424			756			625			562			C
	<u>'</u>	'	31,176			1,451			1,553			1,549			

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ITEM NO. PAGE NO. 2

BUDGET PROCUREMENT HISTORY A	AND PLANN	NG EXH	IBIT (P-5A)			Weapon System			A. DATE	
B. APPROPRIATION/BUDGET ACTIVI Other Procurement, Navy BA 3 - Aviation Support Equip					C. P-1 ITEM NOME STOCK SURVE	ENCLATURE EILLANCE EQUIF	PMENT		SUBHEAD	ary 1998 3S2
COST ELEMENT/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
S2005 Air-Launched Guided Missile							I			
FY 1996 DETONATOR BALLISTIC CHAMBER	1	130.0	CRANE		C/FP	CRANE	Jun-96	May-97	Yes	N/A
FY 1997 DIURNAL CYCLE CONDITIONING CHAMBER	1	126.0	CRANE		C/FP	BMA INC Aver, MD	Jun-97	May-98	Yes	N/A
SCANNING PROBE SURFACE ANALYSIS SYSTEM	1	115.0	CRANE		C/FP	TOPOMETRIX Santa Clara, CA	Jun-97	May-98	Yes	N/A
COMPLETE GRAPHICAL DRLOG UPGRADE (PART A)	1	117.5	POINT MUGU		C/FP	EMC Camarillo, CA	Jul-97	May-98	Yes	N/A
AWARS/DRLOG ON-BOARD STATISTICAL ANALYSIS/METRICS	1	125.0	POINT MUGU		C/FP	EMC Camarillo, CA	Jul-97	May-98	Yes	N/A
FY 1998 VXI-BASED TEST SYSTEM	1	330.0	CRANE		C/FP	TBD	Jun-98	May-99	Yes	N/A
REAL TIME X-RAY SYSTEM FOR LARGE MOTOR TEST (LMT)	1	280.0	INDIAN HEAD		C/FP	TBD	Jun-98	May-99	Yes	N/A
D. REMARKS			<u> </u>	<u> </u>						

ONLY EQUIPMENT PROCUREMENTS OVER \$100K ARE IDENTIFIED.

P-1 SHOPP'G LIST	PAGE NO.
ITEM NO. 139	3

BUDGET PROCUREMENT HISTOR'	Y AND PLANN	ING EXH	IBIT (P-5A)			Weapon System			A. DATE	
									Februa	ary 1998
B. APPROPRIATION/BUDGET ACT Other Procurement, Navy BA 3 - Aviation Support Equ					C. P-1 ITEM NOMI	ENCLATURE EILLANCE EQUIPI	MENT		SUBHEAD 43	3S2
COST ELEMENT/ FISCAL YEAR	QUANTITY	UNIT	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
S2006 Air-Launched Ordnance		(000)								
FY 1996 SCANNING ELECT. MICRO.	1	235.0	CRANE		C/FP	AMRAY, INC.	Jun-96	May-97	Yes	N/A
FY 1997						Bedford, MA				
PYROTECHNIC/PROPELLANT TEST CONTAINMENT CHAMBER	1	231	CRANE		C/FP	COMARCO Bloomfield, IN	Aug-97	May-98	Yes	N/A
CONDITIONING CHAMBERS (-100 F to +200 F)	2	135	INDIAN HEAD		C/FP	Spectral Dynamics San Jose, CA	Aug-97	May-98	Yes	N/A
FY 1998 PARTICLE ABATEMENT SYSTEM	1	300.0	CRANE		C/FP	TBD	Jun-98	May-99	Yes	N/A
TEMPERATURE/HUMIDITY CHAMBER	1	134.0	INDIAN HEAD		C/FP	TBD	Jun-98	May-99	Yes	N/A
D. REMARKS			<u> </u>	1						

ONLY EQUIPMENT PROCUREMENTS OVER \$100K ARE IDENTIFIED.

P-1 S	HOPP'G LIST	PAGE NO.	
ITEM	NO. 139	4	

UNCLASSIFIED CLASSIFICATION:

		BU	DGET ITEN	JUSTIFICA	TION SHEE	Т			DATE:			
				P-40						Februa	ry 1998	
APPROPRIATION/BUI	DGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCURE	EMENT, NA	VY BA	3 - AVIATIO	N SUPPORT	EQUIPMEN	NT		OTHER A	AVIATION SU	JPPORT EQ	UIPMENT	
Program Element for C	ode B Items:						Other Related	Program Elem	nents			
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
QUANTITY												
COST (In Millions)	\$198.7		\$19.4	\$8.9	\$6.0	\$4.3	\$4.3	\$3.1	\$3.1	\$3.2	CONT	CONT

The following items are funded in this line:

- 1. Tactical Aircraft Mission Planning Systems (TAMPS) FY 1996 only
- 2. Industrial Facilities Equipment
- 3. Capital Automated Data Processing Equipment (ADPE)
- 4. NAVAIR Support Equipment (ADPE) FY 1996 only

1. Tactical Aircraft Mission Planning System (TAMPS)

*In FY 1997 and beyond TAMPS is budgeted in OPN BA 2 under P-1 line item, TAC A/C MISSION PLANNING SYS (TAMPS). Detailed justification for the TAMPS is provided in the OPN BA 2 backup book.

2. Industrial Facilities Equipment

This item supports funding of capital costs associated with the Navy's government-owned but contractor-operated Deep Water Test Facility at San Clemente Island.

3. Capital ADPE

Procurements supporting the NAVAIR organization (NALDA and I/ETMS), which were formerly budgeted and managed under the Computer Acquisition Program (CAP) in FY 1995 and prior are now

directly controlled by NAVAIR, effective FY 1996. Details regarding these NAVAIR Capital ADPE projects are provided below:

3a. Naval Aviation Logistics Data Analysis (NALDA):

NAVAIR was directed by the CNO to extend NALDA to additional USN and USMC activities, principally the Fleet and to all NAVAIR Team sites. Sufficient automated data processing equipment (ADPE) and accessibility to the NALDA data base is presently not available at most Navy and Marine Corps Fleet level maintenance and repair facilities. The ADPE is necessary to eliminate the current on-going degradation of their capability to make informed decisions affecting material readiness, safety, and resource allocations.

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		BU	IDGET ITEM	I JUSTIFICA	DATE:							
				P-40						Februa	ry 1998	
APPROPRIATION/B	SUDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCUI	REMENT, NA	VY BA	3 - AVIATIO	N SUPPORT	EQUIPMEN	NT		OTHER A	VIATION S	UPPORT EQ	UIPMENT	
Program Element for	r Code B Items:						Other Related	Program Elem	nents			
	Prior	ID									То	
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total
CHANTITY												
QUANTITY												
COST											ļ	
(In Millions)	\$198.7		\$19.4	\$8.9	\$6.0	\$4.3	\$4.3	\$3.1	\$3.1	\$3.2	CONT	CONT

NALDA is the aviation logistics and engineering communities' corporate integrated logistics support (ILS) data system to accommodate logistics data reporting requirements and performance of critical mission analysis to achieve Affordable Readiness and Total Cost of Ownership decision-making. NALDA provides the following capabilities: (1) a cost-effective, integrated aviation maintenance/logistics data bank; (2) standardized procedures for data access and data analysis techniques; (3) aviation hardware/software/firmware configuration management/tracking capabilities; (4) consolidation of redundant autonomous systems into a single system; (5) standardized, aviation-wide MIS Support; (6) a Logistics Support Analysis Record (LSAR) data system; (7) an accurate configuration management and serial number tracking data system implemented using the SMIS software for aviation weapons systems - the fleet's number one priority to improve readiness and safety of flight; (8) more timely (daily) receipt of fleet AV-3M and configuration data; (9) ability to access centralized fleet-wide, near real-time, operational readiness data from NALDA in accordance with DOD data security regulation; (10) Logistics Management Decision Support System (LMDSS); (11) Technical Data interfaces to JEDMICS and TMPODS; (12) Aircraft Inventory and Readiness Reporting System (AIRRS); (13) Contractor Maintenance and CITIS interfaces; (14) Training and Manpower Logistics data; (15) Total Cost of Ownership; (16) Infrastructure to deploy JLSC MM and JCALS standard systems to the TEAM and Fleet; and (17) Other ILS elements. Information available from the NALDA data bank consists of aviation maintenance, engineering, operational readiness, safety, configuration management, parts life tracking, and other critical logistics data for all naval aircraft, engines, components, support equipment, airborne weapons, and other aviation weapons equipment.

Funding budgeted in FY 1998 is required to provide the additional hardware, networking, systems and applications software and infrastructure necessary to deploy Total Cost of Ownership and affordable readiness functional capabilities described above to additional TEAM/Fleet activities. NALDA information and tools will enable significant cost reductions in naval aviation logistics, achieving more affordable readiness, eliminating redundant logistics information systems, improving aircraft configuration management and safety of flight, and permitting improved aircraft inventory and life extension management needed to permit recapitalization and modernization.

Data reporting requirements for the NALDA system are directed by OPNAV and NAVAIR as defined primarily by the Naval Aviation Maintenance Program (NAMP) manual. Users of the NALDA system are located at all TEAM/Fleet, TYCOMS, Wings, Intermediate Maintenance Activities, and other aviation logistics activities. The NALDA system architecture is compliant with the DISA TAFIM and Common Operating Environment (COE).

3b. Interactive/Electronic Technical Manual System (I/ETMS)

I/ETMS is a strategy which supports the Automated Library Technical Manual System (ALTMS) and Automated Technical Information System (ATIS), NAVAIR application ATIS (AIR) programs.

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		BU	DGET ITEM	JUSTIFICA	DATE:									
	P-40								February 1998					
APPROPRIATION/	APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT							OTHER AVIATION SUPPORT EQUPMENT							
Program Element f	•						Other Related Program Elements							
	Prior	ID									То			
	Years	Code	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Complete	Total		
QUANTITY														
COST (In Millions)	\$198.7		\$19.4	\$8.9	\$6.0	\$4.3	\$4.3	\$3.1	\$3.1	\$3.2	CONT	CONT		

I/ETMS - con't

The objective of the I/ETMS strategy is to provide the capability to receive and use digital technical information in the support of developing and fielding Naval Aviation Weapon Systems and Equipment. I/ETMS is the result of a DOD/DON CALS implementation requirement to eliminate paper technical manuals and provide electronic technical manuals to the aviation maintenance community. The I/ETMS configuration consists of the hardware, software, and network interfaces to support fleet maintenance activity to receive, store, and use electronically presented maintenance technical information.

ATIS (AIR) is designed to develop and implement at intermediate level maintenance activities an automated system for the distribution, delivery, and display of digital technical data, which will augment the capability provided by ALTMS. ATIS (AIR) is intended to satisfy requirements for value-added digital delivery, improved maintenance and supply functionality, and provide interfaces to existing fleet information systems (ISs).

4. NAVAIR Support Equipment:

Includes investment equipment used in the operation of NAVAIR Headquarters, and NAVAIR Field Activities such as the Naval Air Warfare Center, Training Systems Division, Orlando, FL., the Pacific Missile Range Facilities (PMRF), Hawaii, and the Naval Air Technical Services Facility (NATSF), Philadelphia. Support equipment is evaluated on a cost-effective (lease vs. purchase) basis. The FY 1996 program (cost code S7020, OIS Headquarters SE) provides for the procurement of necessary upgrades to the existing NAVAIR headquarters Network (NHN), Standard Procurement System (SPS), and Workload Planning System (WPS). The FY 1997 program provides for the Standard Procurement System (SPS). The NHN provides an integrated data communications network that extends the capabilities of the Naval Air Systems Command, its Program Executive Offices, and Naval Air Warfare Center Headquarters to support management of aviation design, development, engineering, logistics support, contract and budgetary data. The SPS Funding provides for the procurement of necessary upgrades to the NAVAIR Team-wide computer infrastructure to support the rapid deployment schedule associated with the stand-up of SPS. SPS is a DOD-wide standard acquisition automated system which is mandated by OSD. The WPS funding provides for a data repository to maintain corporate workload planning information. WPS will provide valuable feedback on the rate and quality of the command's execution to plan and provide the basis for smart investment decisions when trade-offs in capability and capacity are necessary.

P-1 SHOPPING LIST

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CLASSIFICATION:

UNCLASSIFIED

DD Form 2454, JUN 86

UNCLASSIFIED

	WEAPONS SYSTEM CO P-5	OST AN	ALYSIS			Weapon System							DATE: February 1998		
APPRO	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NC	MENCLATU	RE/SUBHEAD)				repru	aiy 1990
Other F	Procurement, Navy														
BA-3 A	viation Support Equipment						OTHER A	VIATION S	UPPORT E	QUIPME	NT	43S7/U3S7	7/Y3S7		
COST	ELEMENT OF COST	ID	Prior FY 19		FY 1996		FY 1997			FY 1998		FY 1999			
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S7011	NON OIS- Field Support Equipment		1,498			0			0			0			0
	PEO (T) TAMPS		158,430			4,877			*			*			*
S7030	PEO (A) Industrial Facilities Equipment		2,012			173			187			174			227
	Capital ADPE														
S7040	NALDA					5,016			4,605			5,839			4,037
S7060	IETMS					2,103			2,831			0			C
S7020	OIS Headquarters SE		35,731			7,252			1,249			0			0
S7021	OIS Field SE		967			0			0			0			0
	 997 AND BEYOND TAMPS IS BUDGETED IN C ED JUDTIFICATION FOR THE TAMPS PROGI						 NING SYS (T 	AMPS)							
DETAIL	LE GOTTI TOATION FOR THE TAMES FROM	V (IVI IO F	198,638	THE OF IN B	A Z BAORO	19,421			8,872			6,013			4,264
DD FORI	И 2446, JUN 86	P-1 SH	OPPING LIST		l	13,421	<u> </u>	<u> </u>	0,012			CLASSIFICA	TION.	<u> </u>	7,20

ITEM NO. PAGE NO. 4

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						A. DATE					
				, ,		February 1998					
B. APPROPRIATION/BUDG					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Other Procurement		UDMENIT			OTHER AVII		4007/1100	70/007			
BA3 - AVIATION SU	PPORT EQU	JIPMENI		CONTRACT	ATION SUPPORT EQU	DATE OF	43S7/U3S7/Y3S7 SPECS DATE				
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW	REVISION: AVAILABLI	
7040- NALDA											
FY 1996	14**	358	NAVSUP/SPCC			FDSC*	01/96	07/96	YES	N/A	
FY 1997	16**	288	NAVSUP/SPCC			FDSC*	01/97	07/97	YES	N/A	
FY 1998	20**	299	NAVSUP/SPCC			FDSC*	02/98	07/98	YES	N/A	
FY 1999	14**	288	NAVSUP/SPCC			FDSC*	01/99	07/99	YES	N/A	
REMARKS											

D. REMARKS

P-1 SHOPPING LIST Classification: DD Form 2446-1, JUL 87 ITEM NO. 140

^{*} FDSC is the Federal Data Systems Corporation (FDSC) NAVSUP SPLICE contract #n66032-D-84-0002.

^{**} Quantities reflect complete systems comprised of several components.